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Stumpp & Walter Co.

30-32 Barclay Street, NEW YORK

1922

HIGH QUALITY

Bulbs · Seeds · Plants

FOR AUTUMN PLANTING

SPECIAL OFFER

DARWIN AND BREEDER TULIPS IN MIXTURE

In order that our patrons may be further encouraged to plant what we consider to be the most beautiful of all the May-flowering Tulips, and that they may see the wide range of colors that exists in the Darwin and Breeder Tulips, we have contracted with our growers to furnish us certain named varieties of the better kinds which we carefully mix in our own building, thereby giving assurance of a good color range and *offer in mixture only*.

SPECIAL S. & W. CO.'S MATCHLESS DARWIN AND BREEDER TULIP MIXTURE
80 cts. per doz., \$6 per 100, \$55 per 1,000



DARWIN AND BREEDER TULIPS IN FLOWER DURING MAY



Flowers in Your Home From Christmas to Easter

ONE of the most inspiring influences of the home is the flowers one grows. You can have an abundance of bulbs in flower from before Christmas until Easter if you plant a few bulbs suggested on this page. Six Paper-White Narcissus bulbs planted in a dish of pebbles will flower in ten weeks. The best Paper-White Narcissus bulbs cost \$7 per 100, and these flowers are sold in the florists' shops at \$2 to \$2.50 per dozen. You can grow your own and not only enjoy the fun of it, but save three profits—the grower's, the wholesale cut-flower dealer's, and the florist's.

SOIL AND CULTURE. The soil for potting bulbs should be light and rich; one-half good garden soil, one-fourth sand, and one-fourth rotted stable manure is about right, and this should then be thoroughly mixed and pulverized before using.

The pots, after placing part of a broken pot at the bottom to ensure drainage, should be filled to within 4 inches of the top, bulbs set in 2 to 4 inches apart, according to the variety, and then soil placed around them, just allowing the top of the bulb to protrude. After planting, water thoroughly, place in the coolest, darkest part of the cellar, away from the heat and light. Freezing will not hurt them. While in the cellar, look at occasionally and see that soil is moist not wet. **The main point to consider is to be sure they have made plenty of roots before being brought up to the living-room.** The Paper-White Narcissi, Freesias, and Crocuses offered on this page, planted October 15, may be brought to light December 1, and, in order to have them in succession, bring up a pot or pan every week until you have brought all your stock in. Early Tulips, Daffodils, and Hyacinths brought in January 15 should begin flowering from March 10 on.

Special List for Pot Culture

FREESIAS	Doz.	100
Purity. White Monster Bulbs.....	\$0 75	\$5 00

CROCUSES (Selected Bulbs)	Doz.	100
Purpurea Grandiflora. Blue.....	40	2 50
Kathleen Parlow. White.....	40	2 50
La Majestueuse. White, striped purple.....	40	2 50
Yellow Mammoth. Yellow.....	40	2 50

TULIPS	Doz.	100
Rising Sun. The finest yellow.....	90	7 00
Belle Alliance. Scarlet.....	70	5 00
White Hawk. Fine white.....	70	5 00
Keizerkroon. Red and yellow.....	65	4 50
Princess Wilhelmina. Dark pink...	70	5 00

DUTCH HYACINTHS (First Size)	Doz.	100
One Bulb suggested for 5-inch pot; 4 for an 8-inch pot or pan.		
Lady Derby. Finest pink.....	\$2 00	\$15 00
La Victoire. Finest red.....	2 00	15 00
Grand Maitre. Finest blue.....	2 00	15 00
City of Haarlem. Finest yellow.....	2 00	15 00
La Grandesse. Finest white.....	2 00	15 00
NARCISSI or DAFFODILS (Very largest bulbs only)	Doz.	100
Paper-White. White.....	1 00	7 00
Golden Spur. Rich yellow.....	90	6 00
Emperor. Yellow.....	90	6 00
Empress. Yellow and white.....	1 00	7 00
Von Sion. Double yellow.....	90	6 00
Poeticus Ornatus. White.....	60	4 00





Our display of over two hundred and fifty varieties of Spring-flowering Bulbs at the International Flower Show, New York City, March, 1915

TIME OF DELIVERY

Bulbs and roots mature and ripen during the late summer and autumn and shipments will be made as follows in the absence of instructions to the contrary.

SEPTEMBER includes *Lilium Harrisii*, *L. formosum*, *L. candidum*, Freesias, Paper-White and Grand Soleil d'Or Narcissi, and Bulbous Irises.

OCTOBER, OR MAIN SHIPMENT, includes the general line of bulbs, such as Hyacinths, Tulips, Crocuses, Callas and Miscellaneous Bulbs.

NOVEMBER AND DECEMBER include *Liliums* and *Lilies-of-the-Valley*. We endeavor to get all of these shipped by early December. We, however, frequently do not receive the three varieties of Japanese *Lilies*, as listed on pages 24 and 25, namely, *auratum*, *speciosum*, *magnificum*, and *album*, from the Orient until the ground has become frozen in some parts of the country. These may be kept in a cool cellar and planted in the spring, or, if you so advise, we can ship these three items in the spring.

Guarantees. Our methods of handling bulbs practically preclude the possibility of stock proving unsatisfactory, and the percentage of complaints is really negligible. We guarantee all bulbs sent out to be true to name and of proper flowering age. It is, however, impracticable, owing to contingencies of soil, climate, season, or faulty planting, to guarantee that all bulbs we send out will flower satisfactorily. We make complete trials of all the varieties we send out at our own trial-grounds and know, from extended experience, that all our bulbs flower satisfactorily if given just ordinary attention.

TERMS OF PAYMENT

We do not send bulbs C. O. D., but ship your order when bulbs arrive, mailing invoices at the same time, and all bills are due in 30 days, net.

WE FURNISH ALL BULBS, 6 of a variety, at the dozen rate; 25 of a variety at 100 rate; 250 of a variety at 1,000 rate.

SHIPPING INSTRUCTIONS

We ask for full shipping directions. State whether bulbs are to be shipped by parcel post or express, and by what route. In the absence of instructions we ship by whatever method and route we believe best.

PLANNING THE GARDEN (Color Schemes)

In the past we have had many customers and friends who have asked us to help them plan their bulb-gardens. We will be very glad to make suggestions, if you will send us a rough sketch of your garden or borders. Please give planting areas when sending same.

A WORD ABOUT QUALITY

Our business, whether in Seeds, Bulbs, Plants, Implements, Fertilizers, Insecticides, or Poultry Supplies, has always been conducted with a view to supplying the finest quality that can be had.

Our growers of Bulbs in Holland, France, Bermuda, China, and Japan realize that we are expert judges, that we pay the highest market prices, which insures proper growing on their part, and that our personally conducted trials keep us properly informed as regards their stocks.

One of the principal features of our business is to keep always a display of seasonable goods at our spacious stores, and we invite our patrons who come to New York to visit our establishment. You will find our clerks never too busy to talk with you about your wants, or to make suggestions.

STUMPP & WALTER CO.

GEORGE G. STUMPP, *President*
JULIAN H. WALTER, *Treasurer*

NEW YORK

THOMAS F. KEARNEY, *Ass't Treasurer*
WILLIAM A. SPERLING, *Secretary*



Darwin Tulips, planted one variety to each bed; the boxwood edging proves a splendid and effective setting

GIANT DARWIN TULIPS, May-Flowering

For the herbaceous border, massed in clumps along the edge of shrubbery, or as cut-flowers for vases, these are conceded to be the superior of all the Tulips

The enthusiasm for the Darwin Tulip is not due to fad or popular fancy, but rather to an awakened sense of appreciation of their majestic beauty. The rich, bright colors of the blooms, their somber tones, their many pale and more lovely colors, produced on strong, gigantic stems from 2 to 3 feet, all vie with one another and capture even the casual observer of spring-flowering bulbs. Once grown, the amateur becomes interested and soon becomes a fancier with a hoard of varieties, excusably jealous of everyone he or she grows.

For the borders among other hardy flowers, in formal gardens in conjunction with Single Early Tulips, for isolated groupings against a background of shrubs, or for combinations of delicate colors for effects of contrast in the flower-garden, the Darwins are without a peer.

They range in color from the daintiest pink, rose, salmon, red, etc., to deep, rich crimson; from lavender through mauve and light blue to violet-purple and the so-called "Black Tulip." There are a few good whites, but no clear yellow, and where this color is desired, selection should be made from the Cottage Tulips listed on pages 8 and 9. All buff and bronze shades frequently classed as Darwins are Breeders.

CULTURE.—Bulbs should be planted 5 to 6 inches deep and not less than 5 inches apart. Sand to the depth of ½ inch at the base of the bulbs will amply repay the trouble by the provision for drainage during wet weather. For forcing, bulbs should be planted as soon as received, and the flowers appear to better advantage if pots a trifle deeper than the ordinary bulb-pans are used. We recommend what are termed azalea-pots for this purpose. A temperature of 55 to 60 degrees is recommended, for if allowed to "come gently," larger flowers and longer stems may be had.

Afterglow. Deep, rosy orange, with salmon shading at edges of petals; inside deep orange with yellowish base. A sport of Baronne de la Tonnaye, which is of remarkable interest because it is the first instance of a Darwin sporting to the Breeder tones. A showy Tulip, for outdoors. Height 26 inches. \$2 00 \$15 00

Aphrodite. Clear, silvery rose-pink with white base; a good-sized round flower of exquisite color on a very tall, stiff stem. Height 34 inches. 2 00 15 00

Baronne de la Tonnaye. A long beautiful flower; clear carmine-rose at the midrib, base toning off to soft pink at the edges; white, tinged blue. Excellent for early March forcing and just as fine for outdoor beds, where it keeps up a splendid show for a long time. Height 26 inches. 60 4 00 \$38 00

Bartigon. Fiery crimson, a very showy variety with white base. Height 26 inches. 1 00 7 00 -68 00

Bleu Celeste. A Tulip of wonderful size and shape; the color is a bright violet-purple, white base tinged blue. Height 30 inches. \$2 50 \$20 00

Carl Becker. Pale rosy violet, with center flushed salmon-rose. Splendid Darwin for outdoors; equally good for forcing, but paler in color. Height 32 inches. 85 6 00 \$58 00

Centenaire. Rich violet-rose, with a large blue center; immense flower of perfect form. Magnificent for the border; excellent for forcing. Height 32 in. 1 30 10 00

City of Haarlem. Intense dark scarlet with darker bloom; large steel-blue base and white halo; wonderful cup-shaped flower, with petals incurving slightly at the tips. One of the finest brilliant red Darwins. Height 27 inches. 3 50 24 00

Clara Butt. Beautiful clear salmon-pink. No other variety offered by us has the same distinctive and pleasing color. Height 22 inches. 50 3 50 32 00

Giant Darwin Tulips, (May-Flowering), continued

Dream. Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret-purple interior. Height 24 inches. Doz. 100 1,000 \$0 70 \$5 00 \$48 00

Duchess of Hohenberg. Pale slaty lilac mauve, with stripe of rosy heliotrope; inside pale lilac, with white base. Enormous, long flower on a tall, stiff stem. Height 29 inches. 2 00 15 00

Eclipse. A deep rich glowing blood-red. Large flower of fine form; the best of its color. Height 26 inches. 2 00 15 00

Edmee (Beauty). A beautiful shade of cherry-rose with a lighter border. On the order of Baronne de la Tonnaye, but brighter in color. Height 25 inches. 85 6 00 58 00

Erguste. Soft violet, with a slight silvery flush; flower medium size. One of the best Darwins for forcing, keeping its refined color splendidly. Height 26 inches. 85 6 00 58 00

Europe. Deep, fiery crimson, with white base. Stems of medium length; flowers large and erect, the white base contrasting well when the flower opens. Height 20 inches. 70 5 00 48 00

Euterpe. A beautiful shade of mauve, edged lilac, white center, with a blue halo. A very refined color when forced. Height 26 in. 85 6 00 58 00

Farncombe Sanders.

A bright shade of scarlet, with a clear white base, contrasting well when the flower is fully open. A broad-petaled flower of large size. Fine for forcing or the border. Height 25 in. Doz. 100 1,000 \$0 80 \$5 50 \$52 00

Faust. Satiny purple, with blue base; very large flower of fine form; a splendid Tulip. Height 30 inches. 1 10 8 00 78 00

Flamingo. An even tone of pale shell-pink. A very exquisitely colored Darwin, of refined coloring and form. Height 28 inches. 85 6 00 58 00

Galatea. Bright salmon-rose, with glistening blue base. A large flower of very glowing color, exceptionally brilliant in the bright sunlight. A wonderful border variety. Height 26 inches. 1 10 8 00 78 00

Giant. A flower of enormous size and of wonderful substance; a deep reddish purple in color, shaded violet with a white base. Height 30 in. 2 00 15 00

Glow. The deepest shade of crimson-scarlet—a color of wonderful brilliance, not unlike that of the Oriental poppy. The flowers are of large size, borne on stems 20 inches long. 70 5 00 48 00

Gryphus. Dark violet-purple, with a white base; a flower of splendid shape. A good border variety. Even more beautiful in color when forced. Height 26 in. 1 30 10 00

Gudin. Pale slaty lilac, edged creamy white; inside pale lilac, flushed white with yellowish base and blue halo; long, handsome flower on a stiff stem. Height 27 inches. 85 6 00 58 00

Jubilee. Blue-purple, with a white base, marked blue; a flower of large size and heavy substance. Height 29 inches. 2 00 15 00

Julie Vinot (Princess Elizabeth). Beautiful, clear rose-pink, with a white base. A magnificent, large-sized Darwin of sturdy habit. Height 26 inches. Doz. 100 1,000 \$1 00 \$7 00 \$68 00

King George V. Glowing salmon-scarlet, shaded bright rose; inside brilliant orange-scarlet with blue base. A flower of intense color for outdoors. Height 25 inches. 3 50 25 00

King Harold. Intense ruby-crimson, center rich black; very tall and of fine form; new and stately variety; very distinct. Height 24 inches. 70 5 00 48 00

La Fiancee. Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size, and very effective when planted with mauve and dark lavender sorts. Height 30 inches. 4 00 30 00

La Tristesse. Deep slaty blue, with white base, very distinct in color; medium-sized flower. Height 26 inches. 70 5 00 48 00

La Tulipe Noire (The Black Tulip). The nearest in color to the so-called "Black Tulip." Deep maroon-black, which has a velvety sheen in the sunlight. Height 25 inches. 70 5 00 48 00



A Dutch Bulb Garden—Darwin Tulips, one variety to each of the various and pleasingly shaped beds

Giant Darwin Tulips (May-Flowering), continued



Darwin Tulip, Rev. Ewbank, planted along the shrubbery border

L'Ingenue. Rosy white, with broad stripe of dull old-rose through center of petal; white base and blue halo; very large, tall flower of exquisite beauty. Fine for border. Height 27 inches.....	Doz.	100	1,000
	\$1 00	\$7 00	\$68 00
Louise de la Valliere. Brilliant cherry-rose with pale blue base starred white. A very clear and beautiful color. Height 24 inches.	2 00	15 00	
Mme. Barrois. Dull lilac-rose, with soft rose margin which changes with age to pale flesh-white; bluish tone. A fine new Darwin of very attractive color. Height 25 inches.....	3 50	25 00	
Madame Krelage. Bright rosy lilac, with a pale silvery margin. A good forcing variety and excellent for the border as well. Height 28 in....	70	5 00	48 00
Madame Raven Dark cherry-rose, edged rosy white; white base, blue halo; medium-size flower of perfect shape. A variety of the same general character as Edmee or Mme. Krelage, but with sharper contrast between the dark rose and almost clear white edge. Height 25 in.	85	6 00	58 00
Marconi. Deep purple when the flower first opens, gradually changing to ashy purple as the flower ages; pure white base. Height 27 inches	80	5 50	52 00

Margaret. Pale rose ground, faintly flushed white, center white, marked blue—a very delicate color; flower globular in shape, borne on a strong stem. Splendid for forcing. Height 22 inches....	Doz.	100	1,000
	\$0 60	\$4 00	\$38 00
Massachusetts. A long and beautiful flower; clear carmine-rose at the midrib, toning off to soft pink at the edges, the inside of the white base delicately tinged blue. Height 26 inches.....	70	5 00	48 00
Massenet. An exquisite shade of pale rose, with a broad margin of creamy white; base bright blue. A grand acquisition to any collection however rare. Height 30 inches.....	2 00	15 00	
Matchless (Roi d'Islande). Soft old-rose, with a narrow white border; inside soft violet-rose with a blue base. A very beautiful soft color and one that forces splendidly. Height 26 inches.....	1 00	7 00	68 00
Mauve Clair. Soft lilac-mauve, slightly paler at the edges of petals; inside lilac-mauve, with white base. Height 26 inches.....	80	5 50	52 00
Melicette. A beautiful pure lavender, shading to paler lavender at the edges, with a beautiful blue base; quite the purest lavender Darwin. A flower of large size. Height 26 inches.....	1 10	8 00	78 00
Mrs. Potter Palmer. Bright purplish violet, base white; a large flower. Very attractive for border planting. Height 28 inches.....	70	5 00	48 00
Nauticas. Dark rose, center clear violet, shaded bronze; large flower. Excellent for outdoors and good for early or late forcing. Height 30 inches.....	65	4 50	42 00
Painted Lady. A pale creamy white, with a faint tinge of heliotrope, gradually becoming almost pure white as the flower ages. A very good forcing variety. Height 27 inches	60	4 00	38 00
Pensee Amere. Slaty violet, with a broad flush at outer petals of rosy lilac, white base. Not a large flower but of exquisite shape. Height 26 in.	80	5 50	52 00
Petrus Hondius. Bright carmine-rose, with a dull blue base starred white. An unusually brilliant variety. Height 28 inches.....	1 10	8 00	78 00
Philippe de Commynes. A grand flower of dark, polished mahogany color, with a purple base. One of the best of the less expensive sorts in this color. Height 24 inches .	80	5 50	52 00
Pride of Haarlem. Magnificently formed flower of immense size, brilliant, deep rose, shaded scarlet, with light blue base. This variety, perhaps the most widely known for its stately habit and glorious color, is unsurpassed for border planting. Height 36 inches.....	70	5 00	48 00
Prince of the Netherlands. Lively shade of cerise-scarlet, edged rose, with a blue base. Height 31 inches.....	1 20	9 00	88 00
Princess Mary. Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white halo; huge flower on a splendid stem. One of the finest of the new Darwins. Height 28 inches	13 00	100 00	
Professor Rauwenhoff. Bright cherry-red, beautiful blue base; very large flower of wonderful substance. Height 24 inches...	1 00	7 00	68 00
Psyche. Old-rose, edged white, inside lighter rose, base blue. A very grand variety for February forcing. Height 26 inches.....	70	5 00	48 00

Giant Darwin Tulips (May-Flowering), continued

Purple Perfection. The color of the flower is a bright, glossy purple, large in size, and of wonderful substance. A splendid variety in the border on account of its pronounced color and size; grows to the height of 26 inches.....\$1 00 \$7 00 \$68 00

Raphael. Deep maroon-purple of rich tone, with blue base starred white. Very tall, large flower of sturdy character. The best reddish purple. Height 30 inches I 30 10 00

Remembrance. Pale lilac, general tone of the flower silvery. Quite distinct; large flower. Height 25 in. 85 6 00 58 00

Reverend Ewbank. An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color, borne on stems 23 inches long 65 4 50 42 00

Ronald Gunn. Bright shade of violet, edged pale lavender, with a conspicuous white base. A flower of splendid shape and, like most varieties near this shade, even more exquisite when grown in pots. Height 26 inches I 00 7 50 72 00

Sir Trevor Lawrence. Violet-maroon, with flush of ashy purple; inside violet-maroon with white base; very large, cup-shaped flower, on tall stem. Splendid in every respect. Height 33 inches I 10 8 00 78 00

Sophrosyne. Soft rosy lilac, edged silvery white; inside deep rose, with striking dull blue base. A large flower of very delicate beauty. Height 29 inches. I 10 8 00 78 00

Suzon. Center of petals buff-rose, shading to blush at the margin, with white base, delicately marked blue. A strong grower of fine stately habit. Height 25 in. 75 5 00 48 00

Spring Beauty. Clear scarlet, with blue-black base and white star; large flower of most refined form, and the handsomest of all scarlet-red Tulips. Height 23 inches\$1 20 \$9 00 \$88 00

The Bishop. Soft bluish violet, with ashy bloom; inside paler, with white base; a long flower of very artistic color. Height 28 inches 4 75 35 00

Valentin. A magnificent Tulip of large size and shapely form. A light violet with a blue base. Height 22 inches . I 20 9 00 88 00

Venus. Pure silvery rose; a flower of excellent shape, borne on stems 26 inches long 2 00 15 00

Village Maid. Soft rose with whitish base. A very large flower on a tall stem. Height 30 inches.... 2 00 15 00

White Queen. A splendid white variety; when first opening is pale rose but quickly turns white—a truly exquisite color. Height 24 inches 70 5 00 48 00

William Copeland. Uniform lilac-rose. A variety that was greatly admired in our exhibit of bulbs grown in pots at the New York Flower Show this year. May be forced as early and as easily as the early Tulips. The color, when grown indoors, becomes a most beautiful lavender. Height 24 inches 85 6 00 58 00

William Pitt. Very dark crimson, with purplish bloom on the outer petals. Of great size and beauty. Height 24 inches I 00 7 00 68 00

Zulu. Deep, velvety purple-black; large, egg-shaped flower of very distinct form. Fine for border or forcing. Height 27 inches 85 6 00 58 00

Superb Prize Mixture. The wonderful interest in these splendid Tulips has brought out a great many varieties too numerous for listing, except those considered the best. In addition to some of the varieties listed above, our mixture contains an equal proportion of many others. Brilliant effects may be obtained by the planting of this mixture of choice named sorts. 60 cts. per doz., \$4 per 100, \$35 per 1,000.



Darwin, Breeder, and Cottage Tulips in flower during May, planted in irregular clumps among hardy perennials which happily take their place after the Tulips have finished blooming. The irresistible appeal which these gorgeous, easily-grown flowers make to our children is noted. It was the writer's privilege and pleasure to snap this little girl unawares.

DUTCH BREEDER TULIPS, May-Flowering

Breeder Tulips are very similar in habit to the Darwins, and flower at the same time. Their chief characteristic is their immense blooms, borne on strong, stiff stems, many of them longer than the most gigantic Darwins. The revival of the taste for art colors has made these Tulips, at one time very popular in England, strong favorites with American enthusiasts, who find in their bronze, buff, and brown shades excellent material for contrasting with the light and bright colors of the Darwins. They require the same cultural treatment as the Darwins.



Dutch Breeder Tulips photographed late in the afternoon when their artistic color lends a distinctive and refined atmosphere to the flower border

Abd-el-Kader. Dull bronze-yellow, shading to light bronze at edge of petals; inside bronze-brown, with olive-green base; good-sized flower. Height 26 inches. \$2 per doz., \$15 per 100.

Albion. Lavender-white, with deeper flush through middle of petals; inside deepening to pale lavender-blue, with white base; a lovely flower, the most delicate of the lavender varieties. Height 23 inches. \$2 per doz., \$15 per 100.

Apricot. Dull, bronzy buff, shaded deep apricot, base olive-green. A splendid border variety, frequently having an extra number of petals. Height 25 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

Bacchus. Dark violet-blue, the outside of the petals having a darker bloom, base starred white. Quite the nearest approach to dark blue in late Tulips. Still high in price on account of scarcity. Height 28 inches. \$2.50 per doz., \$20 per 100.

Bronze Queen. Soft golden bronze; large flower of sturdy habit. A very exquisite color when forced and splendid for the border. Height 28 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

Cardinal Manning. A splendid shade of rosy violet, with a slight edge of bronze. A splendid large-sized flower of fine form. Height 28 inches. 80 cts. per doz., \$5.50 per 100, \$52 per 1,000.

Copernicus. Light coffee-brown, with slight flush of bronzy old-rose; inside warm brown, with yellow base. A large flower on sturdy stem. A fine example of the brown Breeders. Height 27 inches. \$1.70 per doz., \$13 per 100.

Coridion. Clear yellow, with a faint suffusion of lilac; a flower of very dainty color. Fine for shrubby borders. Height 24 inches. \$1.50 per doz., \$12 per 100.

Don Pedro. Coffee-brown, shaded maroon, inside rich mahogany; large flower; very fragrant. Height 21 inches. \$1.30 per doz., \$10 per 100.

Dryad. Lilac-old-rose, margined bronzy yellow, shading to buff with age; broader margin inside with bright apple-green base. A very beautiful Breeder of which we have only a few bulbs to offer. Height 22 inches. \$3.50 per doz., \$25 per 100.

Fairy. Reddish mahogany, with bronze shading; an extra-large flower of artistic character. Splendid in borders or for late forcing. Height 24 inches. \$1.30 per doz., \$10 per 100.

Garibaldi. One of the finest Breeders as yet introduced. Pale lilac-bronze, with a broad primrose-yellow margin. A long and graceful flower. Height 31 inches. \$3.50 per doz., \$25 per 100.

General Ney. Dull old-gold with olive base; large flower. Height 25 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

Godet Parfait. Dark blue-purple, with white base and blue halo; very large flower of striking color. One of the best Breeders for the border. Height 30 inches. \$1.30 per doz., \$10 per 100.

Hamlet. A unique shade of coffee-brown, with a faint flush of rosy purple through the center of petals, yellow base. Large size and of excellent substance. Height 26 inches. \$1 per doz., \$7 per 100.

Heloise. A beautiful shade of dark brown, shaded old-rose; yellow base, marked olive-green. Large-sized flower of wonderful color and very prettily reflexed petals. Height 28 inches. \$4 per doz., \$30 per 100.

Indian Chief. Reddish mahogany flushed purple, edged warm brown with age; yellow base. A huge flower of wonderful substance and most artistic shape, carried on a very tall stem. Height 33 inches. \$1 each, \$11 per doz.

Jules Favre. Beautiful shade of deep bronze, purple flush towards center of petals. Good-sized, globular-shaped flower. Height 27 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

Jaune d'Oeuf. Ruddy apricot, inside soft yellow, with black base and anthers; very striking variety. Height 21 inches. 80 cts. per doz., \$5.50 per 100, \$52 per 1,000.

Jupiter. Soft violet-maroon, flushed rosy violet at edges; large white base. A huge flower with wavy petals of silky texture, especially beautiful as it ages. Height 30 inches. 50 cts. each, \$5.50 per doz.

La Singuliere. Opening silvery white, heavily flushed and flaked with dark maroon-crimson; with age the color tinges the whole flower; very large. A distinct variety. Height 25 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

Le Mogol. Pale lavender-mauve, flushed white; inside deep mauve-lilac, with beautiful white base and blue halo. A flower of medium size but of exquisite color. Height 26 inches. \$1.10 per doz., \$8 per 100.

Lord Cochrane. Dark brown, with narrow margin of bright bronze-yellow; inside warm brown with yellow base. A striking Breeder because of the clear shade of yellow on the margin. Height 28 inches. \$1.30 per doz., \$10 per 100.

Louis XIV. An even tone of dark purple, with a broad margin of golden bronze; a very large flower of wonderful substance; green-black base starred yellow. A very scarce variety and one that instantly meets with favor when grown. Height 30 inches. \$2.50 per doz., \$20 per 100.

Dutch Breeder Tulips (May-Flowering), continued

Lucifer. Clear orange, with a rosy flush and olive base, with yellow star; very large flower on a tall stem. Height 24 inches. \$2 per doz., \$15 per 100.

Madame Lethierry. Dark crushed strawberry, edged and flushed salmon—a unique color; medium size, a very distinct form, and a variety of great beauty when grown in partial shade. Height 26 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

Madras. Golden bronze, with dull heliotrope stripe on the outer petals, yellow base starred green. A long, good-sized flower. Height 26 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

Marechal Victor. Pale lavender-violet, with broad edge of buff shaded bronze; inside violet, faintly flushed mahogany with beautiful green base—a wonderful color combination which we have seen in no other Tulip. A large flower of open graceful form. Height 28 inches. 75c. each, \$7.50 per doz.

Marie Louise. Old-rose, flushed orange-salmon, with purplish bloom and olive base. A very beautiful Tulip for border planting. Height 23 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

Moody. Dull lilac-purple, with narrow edge of amber-brown, inside maroon-purple, with blue-purple midrib, and bright yellow base starred olive and white. Height 23 inches. \$1.20 per doz., \$9 per 100, \$88 per 1,000.

Newton. Dark purple, with plum bloom on outer petals. A flower of the same tone as Darwin Jubilee, but not so large. One of the tallest Tulips. Height 35 inches. \$1.25 each, \$12 per doz.

Old Times. Dull garnet, edged primrose-yellow, with greenish base; rather long flower of somewhat pointed form. A showy Breeder of English origin. Height 24 inches. \$2 per doz., \$15 per 100.

Plutarchus. Bronzy yellow, with a flush of heliotrope in the center of the petals; a flower of wonderful substance and splendid form. Height 26 inches. \$1.20 per doz., \$9 per 100, \$88 per 1,000.

Prince Albert. Golden brown, with purple flush through center of petals, which disappears as the flower ages. Height 32 inches. \$2 per doz., \$15 per 100.

Prince of Orange. Dark terra-cotta-brown, shaded yellow, with a yellow base starred black. Splendid for the border and good for forcing. Height 24 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

Prince of Wales. Warm maroon-brown; inside coppery brown, with black base, starred yellow. Long flower of flat, open form, fine for planting with paler bronze Breeders. Height 28 inches. \$3 per doz., \$22 per 100.

Queen Alexandra. Canary-yellow, broadly flushed lilac-brown at the edges of the petals, inside clear yellow, with black anthers and brownish base. A distinct variety for out-of-doors or forcing. Height 23 inches. 80 cts. per doz., \$5.50 per 100, \$52 per 1,000.

Sabrina. Coffee-brown, edged light brown; inside mahogany-brown, with yellow base. A medium-sized flower of value where a less costly Tulip is wanted in this shade. Height 23 inches. \$1 per doz., \$7.50 per 100, \$72 per 1,000.

Salomon. Silvery lilac, flushed buff when opening, inside slightly deeper tone, with large, white base; very long, loosely formed flower, carried on a graceful stem. Height 30 inches. \$2 per doz., \$15 per 100.

Socrates. Deep rosy violet, with dull blue base; large flower of stately habit, often having an extra number of petals. Height 28 inches. \$1.20 per doz., \$9 per 100, \$88 per 1,000.

St. James. Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany. edged golden brown with yellow and green base. A large flower on tall stem. Height 28 inches. 50 cts. each, \$5 per doz.

Turenne. Purplish brown, with a broad margin of soft yellow, very large flower and on account of its unique coloring very attractive for group planting. Height 28 inches. \$1.20 per doz., \$9 per 100, \$88 per 1,000.

Velvet King. Deep, glossy purple-maroon, with a white base; a flower of gigantic size, lasting a long time in bloom. A magnificent Tulip for the border or shrubbery and forms an effective contrast when planted with the light-colored Tulips. Height 28 inches. \$2 per doz., \$15 per 100.

Vulcain. Reddish apricot, with broad margin of bright buff-yellow, inside dark apricot edged yellow, with dark green base starred yellow. A flower of splendid form and in color unlike any other Tulip. Height 25 in. 35c. each, \$3.50 per doz.

Wilberforce. Soft apricot, edged primrose-yellow, green base. Not a large flower, but very distinct. Height 32 inches. \$3 per doz., \$22 per 100.

Yellow Perfection. Bright bronze-yellow, with an edge of deep golden yellow; a large flower of fine form. Height 24 inches. 85 cts. per doz., \$6 per 100, \$58 per 1,000.

Dutch Breeder Mixture. A choice mixture of many varieties of this type of Tulip. Magnificent combinations of colors and shades from beautifully flushed white to deep wine-red, art bronze and darkest maroon. 75 cts. per doz., \$5 per 100, \$45 per 1,000.

Plant
a
Few
Dutch
Breeder
Tulips
This
Year



Old English COTTAGE TULIPS, MAY-FLOWERING

The Cottage Tulips, like the Darwins, flower late. Many of the varieties are used extensively for late bedding and are magnificent for this purpose. The pale primrose, deep yellow, and splendid white varieties are often planted with the Darwins for effects of contrast. The following list we feel sure contains most of the best varieties. Certain varieties, like some of the Darwins, will flower a few days earlier than others, but on the whole the earliest is just at its best when the latest-flowering variety is just beginning to show bloom.

Avis Kennicott. A rich, deep shade of yellow, with a striking black base and anthers. One of the best of the newer varieties. Height 25 in. Doz. 100 1,000 \$0 85 \$6 00 \$58 00

Daybreak. Dull mauve, with a margin of creamy white and pale green base. A very beautiful variety. Height 17 inches. Doz. 1 10 8 00 78 00

Doris. Soft rosy lilac, flushed silvery gray, with blue-green base; large long flower of great beauty; very handsome for bedding. Height 24 inches. Doz. 65 4 50 42 00

Emerald Gem. Soft orange, with flush of old-rose; inside deeper orange, with yellow base starred greenish olive. A fine Tulip for planting among evergreens. Height 20 inches. Doz. 65 4 50 42 00

Fairy Queen. Beautiful soft rosy lilac, outer petals broadly margined amber-yellow. A variety that should be included in every collection on account of its unique and lovely color. Height 20 inches. Doz. 100 1,000 \$0 65 \$4 50 \$42 00

Flava. Canary-yellow, large, exquisitely formed flower with magnificent lasting qualities. Height 25 inches. Doz. 2 00 15 00

Gesneriana ixioides. Soft primrose-yellow, with black base; egg-shaped flower of medium size, attractive for the contrast between the base and the rest of the flower. Height 22 in. Doz. 85 6 00 58 00

Gesneriana lutea. One of the best of the well-known Gesneriana family. A bedder of unsurpassed qualities, with perfect-shaped flowers of purest golden yellow, on strong stems holding the flowers perfectly erect. Height 24 in. Doz. 60 4 00 38 00

Gesneriana spathulata, or major. The beautiful curved flowers are brilliant scarlet, with a bluish black center, on tall stems. Height 18 inches. Doz. 60 4 00 38 00

Gold Dust. Chrome-yellow, with faint edge of dull orange-red; large flower with slightly reflexing petals. A good yellow of this type, as the red edge does not suffuse the whole flower with age. Height 23 inches. Doz. 1 00 7 00 68 00

Grenadier. Brilliant orange-red. A new Tulip of great beauty. Flowers long, borne on very graceful stems. Height, 24 inches. Doz. 2 50 20 00

Hammer Hales. Golden brown, flushed old-rose; inside bright apricot, edged bronze-yellow, with a yellow base. Height 24 inches. Doz. 2 00 15 00

Illuminator. Deep yellow, flamed and flushed dull orange; large flower of striking tone. Splendid for planting among shrubbery with the orange shades. Height 25 inches. Doz. 2 50 20 00

Inglescombe Pink

(Salmon Queen). Beautiful soft rosy pink, slightly flushed salmon; large, globular flower of excellent form. Adapted for borders or late forcing. Height 22 inches. Doz. 65 4 50 42 00

Inglescombe Scarlet.

A very charming variety of true Cottage type; intense scarlet. Should not be planted with Inglescombe Pink or Yellow, as they are fully 6 inches taller and resemble the Darwin type. Height 16 inches. Doz. 60 4 00 38 00

Inglescombe Yellow. A beautiful variety. Size, form and height greatly resemble the Darwins, so much so that it is frequently called the "Yellow Darwin," a fitting title. Height 22 inches. Doz. 65 4 50 42 00

John Ruskin. Salmon-rose, edged soft lemon-yellow, inside deep rosy lilac—a beautiful combination of colors; large flower of fine shape on a graceful stem. Height 16 inches. Doz. 85 6 00 58 00



COTTAGE TULIPS—(1) Inglescombe Pink, (2) Inglescombe Yellow, (3) Gesneriana spathulata or major, (4) Picotee

Old English Cottage Tulips (May-Flowering), continued

Kingfisher. Creamy yellow ground, with age turning whiter, irregularly striped and feathered maroon and violet; blue-green base; large flower on sturdy stem. A most interesting variety, well named because of the combination of unusual colors. Height 18 inches.....\$3 50 \$25 00

La Merveille. Very large, sweet-scented flowers. Salmon-rose, overlaid with orange-red. A grand border variety. Height 20 inches..... 65 4 50 \$42 00

Miss Willmott. A pale primrose-yellow of true Cottage form. In good demand on account of its delicate color. Height 18 inches..... 65 4 50 42 00

Moonlight. Bright canary-yellow; splendid, large flower, oval in shape, outer petals slightly reflexed at the tips. An excellent yellow for combination with the Darwin varieties. Height 22 in. 85 6 00 58 00

Mrs. Kerrell. Beautiful light rose with a delicate amber tinge, center white, bordered electric blue. A new variety of very refined coloring and shape and destined to win a place for itself among discriminating flower-lovers. Height 18 in. 2 50 20 00

Mrs. Moon (Fulgens lutea maxima). Deep golden yellow, large flowers of good substance, slightly reflexing. Height 24 inches..... 80 5 50 52 00

Orange King. Beautiful deep orange, shaded rose, inside deep orange-scarlet with a yellow center. Height 23 inches..... 70 5 00 48 00

Picotee (Maiden's Blush). White, margined deep rose, the color suffusing the whole flower as it ages; medium-sized flower, reflexing. A grand Tulip for the border. The sight of a large bed planted wholly to this variety is one that will not easily be forgotten. Height 20 in. 60 4 00 38 00

Pluto. Self-colored rose-pink; good-sized flower of beautiful color and shape, with white base and blue star; best seen when planted by itself. Height 25 inches. 80 5 50 52 00

Pride of Inglescombe. White, broadly edged deep carmine-rose, white base starred blue. A long, and exquisitely-shaped Tulip somewhat like Picotee, but brighter in color. Very attractive planted in mass. Height 23 inches.... 1 00 7 00 68 00

Quaintness. Old-gold, flushed deep rose; inside old-gold, shaded mahogany. Immense flower with very long petals. Height 24 inches..... 3 75 30 00

Solferina. Pale creamy yellow with whitish bloom, and narrow edge of soft canary-yellow; rather long, egg-shaped flower, even paler in color than Moonlight. Height 24 inches..... 1 75 13 00

Striped Beauty. Silvery rose, blotched and striped dark carmine and white; large, showy flower on a graceful stem. Height 18 inches..... 85 6 00 58 00

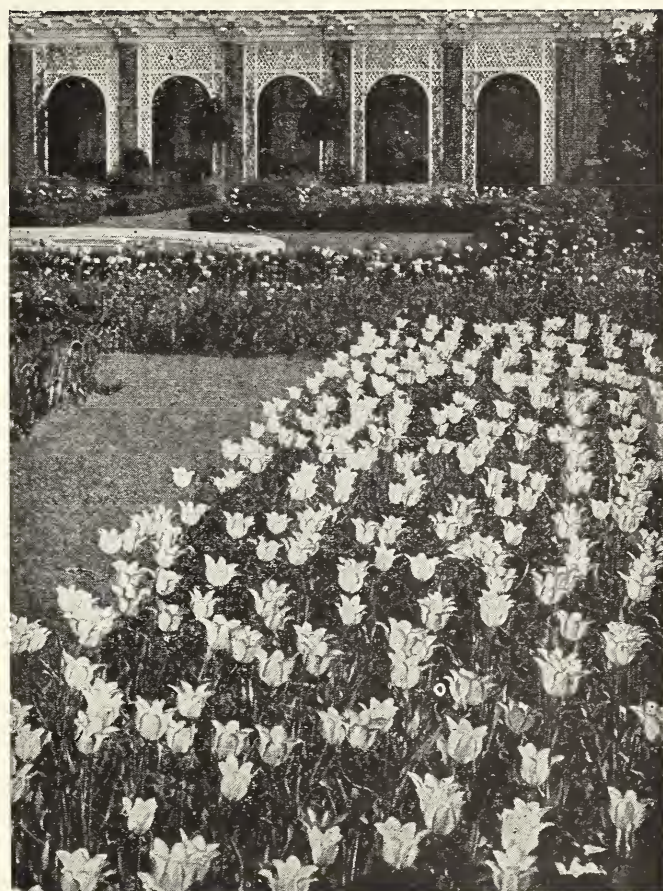
The Fawn. The coloring is a unique shade of pale rosy fawn, changing to blush-rose. Height 20 inches... 60 4 00 38 00

The Lizard. Deep blood-red, with purple bloom, striped and feathered yellow and white. A Tulip of most unusual markings. Height 24 inches. 85 6 00 58 00

Twilight. Dull violet-mauve, edged warm brown, irregularly striped and flamed dark violet; white base with blue halo, and striking white midrib; long, good-sized flower. Height 23 inches..... 2 50 20 00

Union Jack. Light violet, feathered purple, with a few markings of white; blue base; large flower. A very striking variety. Height 20 inches..... 1 00 7 00 68 00

Vitellina. Pale yellow, becoming creamy white as the flower ages; large flower of great substance and beauty; sweet-scented. Excellent forcer..... 70 5 00 48 00



A well-thought-out arrangement of Darwin and Breeder Tulips, with the Cottage Tulip Picotee in the foreground

Walter T. Ware. Deep golden yellow, the deepest and richest color among Late Tulips; broad, globular flowers reflexing at the top. Height 18 inches.....\$4 50 \$35 00

Yellow Picotee. Beautiful canary-yellow, low, margined deep rose. A yellow counterpart to the well-known variety Picotee. A showy bedder. Height 20 inches..... 1 00 7 00 \$68 00

Superb Mixture. A select assortment, covering almost every conceivable color and shade. Those who have not grown these Tulips, and desire a mixture for trial purposes, can depend on getting every color that obtains in this beautiful class of Tulips. 50 cts. per doz., \$4 per 100, \$35 per 1,000

BOTANICAL TULIPS

CARINTA RUBRA. Rich deep crimson, center of petal striped green. A very unusual Tulip in color and excellent for border planting where evergreens are used as a background. Height 15 inches. \$1 per doz., \$7 per 100, \$68 per 1,000.

KAUFMANNIANA. One of the earliest of all the Tulips to come in flower. Creamy white, tinged rosy red, the markings varying. The flowers are very attractive, large in size, with petals reflexing. Blooms early in April. \$1.30 per doz., \$10 per 100.

CLUSIANA. The "Little Lady" Tulip. A lovely little variety from Asia Minor. Grows about 8 inches high, flowers as large as a crocus. Outer petals cherry-red, inner petals white with violet base. Should be planted 8 to 9 inches deep in light soils. \$1 per doz., \$8 per 100, \$78 per 1,000.

MARJOLETTI. Splendid for rock-gardens in a sheltered place. May be forced in pots also. Blooms outdoors during late April. \$1 per doz., \$7 per 100, \$68 per 1,000.

Striped and Feathered May-Flowering Tulips



Rose Bybloem Tulip, Athalia

BYBLOEM AND BIZARRE TULIPS

Bybloem and Bizarre Tulips are "rectified" Breeder types. The Tulips are of an old race which has been grown in Holland and in France since the beginning of the seventeenth century, and which caused the famous Tulip craze in 1635. The Bybloems are queerly striped and feathered rose or violet on a white ground. The Bizarres have dark brown stripes and feathering on a yellow ground. The varieties offered are the newer sorts, and the flowers are larger than the older and smaller-flowering sorts. They flower about the same time as the Breeder and Darwin Tulips but do not grow quite so tall, and are seen at best advantage when planted in clumps in the herbaceous border or among evergreens and shrubs. The stems average from 18 to 23 inches in height.

ADMIRAL KINGSBERGEN. (Rose Bybloem.) Bright crimson, feathered and flamed with white; large flower, borne on a stiff stem. **\$1.80 per doz., \$14 per 100.**

ATHALIA. (Rose Bybloem.) White, bordered and feathered bright rose. **90 cts. per doz., \$6.50 per 100.**

BLACK BOY. (Bizarre.) Yellow ground, feathered and flamed dark brown. **\$1 per doz., \$7 per 100.**

EMPEROR DU MAROC. (Bizarre.) Bright yellow ground, feathered and flamed dark red. **90 cts. per doz., \$6.50 per 100.**

GLORY OF HOLLAND. (Violet Bybloem.) Pure white, feathered and flamed violet-purple. **\$1.50 per doz., \$12 per 100.**

LADY STANLEY. (Violet Bybloem.) White, feathered and striped dark violet. **90 cts. per doz., \$6.50 per 100.**

OVIDIUS. (Bizarre.) Reddish brown ground, feathered yellow; very attractive variety. **\$1.10 per doz., \$8 per 100.**

PRINS MAURITZ. Yellow ground, variegated dark brown. **\$1.10 per doz., \$8 per 100.**

REINE DE HOLLANDE. (Rose Bybloem.) White, feathered and flamed red; a very attractive and distinctly variegated Tulip. **\$1.10 per doz., \$8 per 100.**

ROMEA. (Bizarre.) Bright yellow, feathered and bordered with orange-red; a very striking variety of large size. **70 cts. per doz., \$5 per 100.**

VONDEL. (Violet Bybloem.) White ground, striped dark violet and feathered light violet. **\$2 per doz., \$15 per 100.**

ROSE BYBLOEM TULIPS, MIXED. 70 cts. per doz., \$5 per 100.

VIOLET BYBLOEM TULIPS, MIXED. 70 cts. per doz., \$5 per 100.

BIZARRE TULIPS, MIXED. An excellent mixture of choice named sorts. **70c. per doz., \$5 per 100.**

REMBRANDT TULIPS

Rembrandt Tulips are in reality "broken" forms of Darwin Tulips. Each year many of our best varieties of Darwin Tulips show a tendency to break, or become variegated. These Tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms are sometimes preferred and possess splendid decorative value. The stems average from 18 to 22 in. in height.

APOLLO. Lilac-rose and white, striped dark carmine. **70 cts. per doz., \$5 per 100.**

CARACALLA. White, striped and feathered carmine-red; a very attractive variety. **\$1.10 per doz., \$8 per 100.**

EROS. Soft lilac, feathered dark violet; not a large but exquisite flower. **80 cts. per doz., \$6 per 100.**

JULIENNE. Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white makes splendid contrast with the rich color of the flower. **85 cts. per doz., \$6 per 100.**

LA COQUETTE. Violet, flamed purple and white; not a large but an exquisite flower **85 cts. per doz., \$6 per 100.**

MARCO SPADO. White, flamed bright carmine-red; large flower. **\$1.30 per doz., \$10 per 100.**

SEMELE. White, heavily striped and feathered vivid rosy pink. A Tulip of exquisite coloring; large flower. **70 cts. per doz., \$5 per 100.**

VICTOR HUGO. Brilliant carmine, feathered white; large flower. **\$1.10 per doz., \$8 per 100.**

REMBRANDT TULIPS, CHOICE MIXED VARIETIES. 70 cts. per doz., \$5 per 100.

PARROT TULIPS

Three-Year-Old
Flowering Bulbs

The petals of these Tulips have peculiarly feathered and fringed edges, and the shape of the flower, especially before it opens, resembles the neck of a parrot.

70 cts. per doz., \$5 per 100

Amiral de Constantinople. Large, red flowers, tipped with orange.

Cramoisi Brillant. Deep carmine; very handsome.

Lutea major. Large; bright yellow, with crimson and green stripes.

Markgraaf von Baden. Yellow, striped with scarlet and green.

Perfecta. Yellow and red, striped.

Rubra major. Blood-red; handsome.

Mixed Parrot Tulips. 65 cts. per doz., \$4.50 per 100.



Parrot Tulips



SINGLE EARLY TULIPS

FOR APRIL-BLOOMING OUTDOORS,
POTS AND FORCING

Few, if any, of the spring-blooming flowers rival the Tulip for brilliancy of bloom or ease of culture. For formal beds on the lawn or garden borders they are excellent subjects. They do not possess the same size of bloom and length of stem of the May-flowering Darwin, Breeder and Cottage varieties, but where early blooms are desired they are frequently used. Many of the varieties may be forced in bloom in January, while all the varieties may be easily had in flower in pots late in February or early March.

Culture.—For indoor blooming they require the same cultural treatment as Hyacinths.

Outdoor Culture.—Bulbs may be planted with good assurance of success even in early December, if the ground is open. They should be planted not more than 5 inches apart, covering the bulbs about 4 inches over the top. After the first sharp frost which forms a light crust on the surface of the soil, old leaves or litter should be spread about 6 inches thick over beds or borders to prevent frost from going deeper. Do not cover bulbs, if planted early, until the first sharp frost, as field-mice frequently nest among leaves and destroy bulbs, which is impossible if the covering is placed after the first frost.

Note.—The letters A, B and C, following the varieties indicate their relative earliness of bloom; but, with few exceptions, most of the varieties, however, bloom outdoors about the same time when planted in masses. The figures indicate the height in inches.

The following list contains the best novelties extant, as well as a complete list of the best standard varieties. We have discarded quite a number of varieties which no longer grow well.

BEST STANDARD AND NEW AND RARE VARIETIES

Augusta. B 10. An improvement on the Doz. 100 1,000
old variety Rose Gris-de-Lin,
but very much larger in size. A wonder-
ful exhibition variety.....\$0 85 \$6 00 \$58 00

Belle Alliance. B 11. Brilliant scarlet,
yellow base; large
flower. An excellent variety for early for-
cing and does very well for bedding also... 70 5 00 48 00

Brilliant Star. A 12. Bright vermilion-scarlet, same color
as Vermilion Brilliant, but larger and of
great substance. Splendid early foreer,
flowering easily for Christmas..... I 10 8 00 78 00

Buttercup. A very fine rich yellow, much
on the order of King of the
Yellows. A very good forcing variety..... 85 6 00 58 00

Cardinal Rampollo. A 11. A very
striking variety
with clear golden yellow petals which are
neatly bordered with bright orange-red. A
very early and easy forcer, one that looks
well in pans and excellent for bedding also... 85 6 00 58 00

Cerise Gris-de-Lin. C 11. Dark car-
mine-violet, shad-
ed fawn and margined creamy white, with
yellow base; large flowers of globular form.
A novel bedding variety, but must be
planted alone; excellent for March forcing... I 00 7 00 68 00

Couleur Cardinal. C 12. A bright
crimson-scarlet,
with a deeper tone or bloom on the outer
petals. A bed planted wholly to this variety is
a grand sight. Grand for midseason forcing. I 00 7 00 68 00

Cramoisi Brillant. C 13. Glowing Doz. 100 1,000
scarlet, with yellow
base; long, narrow flowers of perfect form . \$0 60 \$4 00 \$38 00

Cullinan. B 13. Creamy white, with edge
of very pale rose. A large flower,
in color between La Reine Maximus and
Flamingo; fine for forcing..... I 00 7 00 68 00

De Wet. B 16. Golden yellow, flushed
deep orange; large, sweet-
scented flower of erect habit. Quite different
in color from any other variety..... 3 00 24 00

Enchantress. C 10. A very novel and
attractive variety. Bright
cherry-red with a broad border of creamy
white; excellent for forcing or bedding..... I 20 9 00 88 00

Flamingo. B 12. Carmine-rose, shaded
lighter. The petals are striped
white and very crinkled, giving the flower
a decidedly artistic appearance. A very
popular variety among florists for forcing
on account of its odd color and habit..... I 00 7 00 68 00

Fred Moore. B 12. An improved form of
Thomas Moore. Deep,
ruddy apricot, shading at the edges of the
petals to dull orange-yellow, center marked
olive-green; medium-sized flower; sweet-
scented. A lovely color when forced..... 60 4 00 38 00

Goldfinch. B 11. Pure deep yellow, re-
taining the color throughout
the life of the flower..... 60 4 00 38 00

Golden Queen. B 13. Golden yellow;
large flower of extra-
fine form. Excels all existing yellows for
substance, and excellent for early forcing... 80 5 50 52 00

Single Early Tulips, continued

Ibis. B 14. Quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety.....	Doz.	100	1,000
	\$1 50	\$12 00	
Keizerkroon. A 15. Bright crimson-scarlet, edged clear, rich yellow; excellent, large flower on long stem. Fine bedder; splendid for forcing.....	65	4 50	\$42 00
King of the Yellows. A 14. Deep golden yellow; the flowers are egg-shaped, very substantial and carried on a tall stem, which makes them excellent for cutting. One of the earliest yellows which should be much more used for early forcing.....	60	4 00	38 00
Lac Bakhuyzen. A 14. Light purple-violet, with a broad silvery white margin, changing with age to violet-rose. A splendid tall grower, with pointed petals; excellent for early forcing..	I 20	9 00	88 00
Lady Boreel (Joost Van Vondel White). B 13. Snowy white; large, long flower of splendid shape. The finest white for bedding, and superb for pots or pans. Cannot be forced so early as Pelican or White Hawk.....	70	5 00	48 00
La Reine. B 12. White, flushed faintly with pink. Used largely by florists for early forcing and a very lovely variety.....	60	4 00	38 00
La Reine Maximus. B 13. White, faintly flushed pale rose, the color deepening as the flower ages. A very fine variety.....	80	5 50	52 00
La Riante. B 12. Bright rosy pink, tipped with white; large flower of great beauty. We recommend this variety for bedding instead of Cottage Maid.	85	6 00	58 00
La Remarquable. C 13. Brilliant claret-purple, edged and tipped old-rose. A very large flower of elegant reflexing shape and a rather odd color among early Tulips. Good for bedding or late forcing.....	80	5 50	52 00
Le Reve (Hobbema; Sarah Bernhardt). C 14. This variety caused considerable favorable comment in our exhibit of bulbs at the New York Flower Show this spring. The color is old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. Excellent for late bedding, and retains color well if not forced before March.....	I 20	9 00	88 00
L'Esperance. B 14. Dark garnet with a purplish bloom, slightly edged old-rose. An excellent variety on account of its rather unusual color.....	I 10	8 00	78 00
Max Havelaar. Very close in color to watermelon-red; rather large, well-formed flowers. A very striking variety.....	I 00	7 00	68 00
McKinley. B 12. A beautiful tone of deep cherry-rose. A very attractive variety when forced, and also splendid for bedding.....	70	5 00	48 00
Mon Tresor. A 12. Golden yellow; the flowers are large and of a pure color. Mostly used for growing in pots or pans, for which purpose it is best; a good bedder also. One of the easiest forcers....	80	5 50	52 00
Pelican. A 14. A splendid new, pure white variety, and of wonderfully large size. Excellent for exhibition; sport of the variety White Hawk.....	I 00	7 00	68 00
Pink Beauty. C 12. Bright cherry-rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March.....	85	6 00	58 00
President Lincoln. B 12. Large flower of clear magenta-violet, slightly paler in tone when grown indoors. A variety that looks well when bedded out with a pale yellow variety....	\$0 65	\$4 50	\$42 00
Primrose Queen. C 13. Primrose, edged canary-yellow, inside clear yellow; very graceful form.....	65	4 50	42 00
Prince of Austria. B 14. Brilliant orange-scarlet, with a clear yellow base. The flower is large and of a very attractive shade when forced. A splendid bedding variety as well..	65	4 50	42 00
Princess Helen. B 12. Very clear, pure white; large flower. One of the best for bedding.....	75	5 00	48 00
Princess Juliana. B 12. A variety much on the order of Flamingo, but of a deeper shade of pink.....	I 50	10 00	
Princess Wilhelmina. B 13. Deep pink, with striking white flush on outer petals; long pointed flower. Fine for bedding.....	80	5 50	52 00
Proserpine. A 14. Rosy carmine, with a white center marked slate-blue; a very large globular flower. One of the easiest and earliest forcing Tulips; very sweetly scented. Good bedding variety also.	I 00	7 00	68 00
Queen of the Netherlands. B 13. Beautiful pale rose flower of large size. One of the finest pale pink Tulips for bedding. Good for forcing, retaining its delicate color well if not forced too hard.....	65	4 50	42 00
Rising Sun. B 15. A new variety used for exhibition on account of its pure yellow color, and wonderful size and substance. The finest golden yellow early Tulip introduced to date.....	I 00	7 00	68 00
Rose Aplati. B 10. Blush-white, edged pale salmon-rose, with darker rose tone toward base of petals; good-sized flower of flattened shape. A fine pink Tulip for bedding and very daintily beautiful when forced.....	90	6 50	62 00
Rose Luisante. C 10. Brilliant, deep rose-pink; large flower. Splendid for bedding, or pots.....	90	6 50	62 00
Sir Thomas Lipton. B 12. Dark scarlet, with a yellow base, marked olive-green. A flower of good substance and large size. A sport of the once popular Pottebakker Scarlet....	85	6 00	58 00
Van Der Neer. B 12. Deep dark purple; a flower of a most brilliant tone and splendid shape. A wonderful color out-of-doors.....	I 15	8 50	82 00
Vermilion Brilliant. A 12. Bright, glistening scarlet, with a yellow base; very large flower of perfect shape. Splendid for early forcing...	85	6 00	58 00
White Hawk. B 12. Lovely pure white, very large, globe-shaped, of great substance. A very early forcer....	70	5 00	48 00
Yellow Prince. B 12. Clear golden yellow. A large flower used by florists for early forcing or bedding.....	60	4 00	38 00
Yellow Queen. B 14. Deep primrose-yellow, shading to soft canary at the edges; very large flower of graceful form. An improved form of Primrose Queen.....	2 00	15 00	

S. & W. Co.'s Special Mixture. A mixture consisting of 25 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 50 cts. per doz., \$3.50 per 100, \$32 per 1,000.

DOUBLE EARLY TULIPS

FLOWERS JUST AFTER EARLY TULIPS, IN LATE APRIL

Double Tulips are chiefly grown for their showy effects in masses, and are very lasting. Where a display of color is desired they are very satisfactory. Excellent for growing in pots or pans, but should not be forced into bloom very early.

The following list contains many of the best tested novelties, as well as all worth-while standard sorts.



Double Tulip, Murillo

Murillo.	C 12. Delicate rose-pink, flushed white. Fine for bedding, and excellent for forcing.....	Doz.	100	1,000
		\$0 50	\$3 50	\$32 00
Peach Blossom.	C 12. Bright rose-pink, flushed white, deepening with age to carmine-rose; large. A sport of Murillo. Excellent for pots.....	I 30	10 00	
Queen Emma.	B 12. Vivid cherry-rose, center of petals striped white; resembles in color the fine variety Pink Beauty in Single Tulips. Very fascinating on account of its color.....	70	5 00	48 00
Rose d'Amour.	B 12. Pale flesh-rose, deepening with age to soft salmon-rose; distinct shape and very lovely color. An especially beautiful Tulip for bedding or forcing.....	85	6 00	58 00
Safrano (Brimstone; Tea Rose).	B 12. This variety is a sport of Murillo; flowers open pale yellow, flushed salmon, but develop a rosy apricot in a day or so.	70	5 00	48 00
Salvator Rosa.	B 12. Beautiful deep rose, slightly flushed white. Excellent for beds or forcing.....	70	5 00	48 00
Schoonoord.	B 12. A beautiful, pure white sport of Murillo, with the same excellent forcing qualities. One of the best, if not the best white double...	65	4 50	42 00
Van der Hoef.	C 12. A beautiful pure yellow sport of the variety Murillo. A very fine new variety for forcing.....	I 20	9 00	88 00
Vuurbaak.	B 12. Brilliant scarlet, when fully open the flower gets an orange hue. One of the best scarlets for bedding owing to its sturdy stem.....	85	6 00	58 00



Double Tulip, Couronne d'Or

Bleu Celeste.	C 14. Soft violet-purple; large flowers of very pleasing color. A beautiful Tulip for cutting or late forcing. A variety much later than other Double Tulips.....	Doz	100	1,000
		\$0 85	\$6 00	\$58 00
Boule de Neige.	B 10. Beautiful, large, full flower of glistening white; greatly resembling a peony in form. Excellent for bedding or forcing.....	60	4 00	38 00
Cochineal.	C 10. Rich, brilliant scarlet; the largest and one of the best double scarlets. When forcing this variety, as well as any other scarlet, care should be taken to have them come slowly, to avoid green tips.....	85	6 00	58 00
Couronne d'Or (Crown of Gold).	B 10. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and winter forcing.....	70	5 00	48 00
El Toreador.	B 12. Bright orange-scarlet, with a broad margin of buff-yellow. Excellent for pots or bedding.....	I 10	8 00	78 00
Golden King.	A 12. Soft canary-yellow shaded deeper yellow. Very fine for forcing or bedding.....	I 10	8 00	78 00
Imperator Rubrorum.	B 10. Excellent scarlet for bedding and forcing. Still remains among the best of the older varieties.....	85	6 00	58 00
Lac Van Haarlem.	C 13. Brilliant rosy violet; large; splendid form. Excellent for pots or bedding....	I 20	9 00	88 00
Lord Beaconsfield.	B 12. Brilliant rosy carmine; large flowers of distinct shape.....	65	4 50	42 00
Lord Roseberry.	B 12. Delicate light pink; large flower on a good stem. The color remains until the petals fall. A splendid sort for early forcing.	80	5 50	52 00
Matador.	C 10. Glowing scarlet, the purple bloom on the outside of the petals and the perfect egg-shaped flowers make it one of the handsomest of the red Double Tulips.....	85	6 00	58 00

S. & W. Co.'s Special Mixture. A mixture consisting of 15 named varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 60 cts. per doz., \$4 per 100, \$38 per 1,000.

TOP-ROOT EXHIBITION HYACINTHS

Every year our growers prepare to select the finest grade of Hyacinths for us for exhibition. These bulbs are of maximum size, and fully aged for this purpose. The varieties listed below are grown especially for us, and intending exhibitors at the International Flower Show next spring will be interested in our selection of varieties which we believe, when grown for exhibition, should capture First Premiums. The Hyacinth enthusiast who is interested in novelty varieties will also find this list valuable.

The following list of Hyacinths is arranged to color and also according to the scale of colors. The first variety in each group represents the palest tone of its class. In growing for exhibition, it is always advisable to grow several varieties of each class.

Arentine Arendsen. The spike is unusually well filled and has a perfect round shape. The broad wide-open petals are of intense whiteness.

Correggio. Another good exhibition white which produces a large spike of perfect shape. Bells large.

General Vetter. Opens pale blush-white, changing to almost pure white. Resembles the Grand Maitre type of bloom.

La Grandesse. Another good standard white similar in habit to Arentine Arendsen. Long spike but bells are somewhat more compact.

De Wet. A pale pink sport of Grand Maitre; quite the lightest pink in our list.

Lady Derby. A very good salmon-pink and one that grows very well. Darker than De Wet; long spike, bells well placed.

Queen of the Pinks. A very lively shade of bright pink and has a splendid well-formed spike, if not forced too hard.

Marconii. This grand novelty is much like Queen of the Pinks, in color; the spike is broader, but well filled and nicely formed. 40 cts. each, \$4.50 per doz., \$30 per 100.

La Victoire. Without a doubt, the finest brilliant scarlet-red in cultivation, although paler when forced.

Electra. An immense, pyramidal truss of pale blue; very fine and the palest in our list.

Enchantress. Another pale blue variety which does equally well for exhibition; a trifle darker than Electra.

Dr. Lieber. Deep porcelain-blue, very much like the old Charles Dickens. A splendid grower with a good spike. 40 cts. each, \$4.50 per doz., \$30 per 100.

General Van der Heyden. A unique shade of lilac-blue; an excellent truss of large, shiny bells.

Grand Maitre. A leading deep lavender-blue. The bright blue bells form an elegant, somewhat loose spike of immense size and perfect shape.

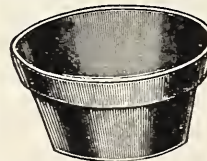
King of the Blues. One of the largest flowers; splendid, well-finished truss of a most brilliant shade of indigo-blue.

Menelik. The darkest blue in our list, the best of the so-called blacks. Produces a large bulb and, if not forced too hard, a long spike.

Lord Balfour. A unique shade of lilac-rose, tinged dark violet, a distinct color; broad spikes of big, waxy bells. Best variety of violet shades.

City of Haarlem. Undoubtedly the finest yellow for exhibition. Soft Naples-yellow, shaded deeper.

Prices of any of the above varieties, except where noted, 35 cts. each, \$3.50 per doz., \$25 per 100



AZALEA POTS

These pots are better adapted for growing Hyacinths for exhibition than those generally used. Being deeper than bulb-pans, they permit better root growth and insure better spikes of bloom. For sizes and prices, see page 43.



A display of Exhibition Hyacinths and Giant-flowering Crocuses



MATCHLESS BEDDING HYACINTHS

Special named varieties in distinct shades of color, to flower at the same time

BULBS MEASURE 7 TO 8 INCHES IN CIRCUMFERENCE

The Hyacinth chosen to represent each of the following shades of color is a variety which, we have found from trials, will be best in the three essential requirements: Best in its color; stoutest stem; largest truss of bells; so our customers will know that we have avoided using such varieties that are of weak stem, and that do not support the blooms.

CULTURE

These Hyacinths should be planted from 6 to 10 inches apart, and covered with at least 4 inches of soil from the top of the bulb. For beds or borders close to the conservatory or dwelling, 6 inches will make a fine display; but where the beds are planted to be viewed from a distance, they may be planted 10 inches apart. Hyacinths planted alternately with narcissi produce a most graceful effect, and for this combination 6 inches from bulb to bulb is also a very suitable distance. It is advisable to cover, after the bulbs have been planted, with leaves or some heavy material that will prevent them from freezing or being affected by early spring frosts after they have started.

Hyacinths, as well as narcissi, should be planted by November 1 in this latitude, as they are the better for early planting. Tulips may be planted up to December 1, weather permitting.

	Doz.	100	1,000
Matchless Bedding Scarlet	\$1 25	\$9 00	\$85 00
Matchless Bedding Pink	1 25	9 00	85 00
Matchless Bedding Light Blue	1 25	9 00	85 00
Matchless Bedding Dark Blue	1 25	9 00	85 00
Matchless Bedding Pure White	1 25	9 00	85 00
Matchless Bedding Mauve	1 25	9 00	85 00
Matchless Bedding Deep Yellow	1 25	9 00	85 00

Suggestions for Effective Color Combinations

1. Matchless Bedding Pink and Light Blue.
2. Matchless Bedding Light Blue and Deep Yellow.
3. Matchless Bedding Light Blue and Dark Blue.
4. Matchless Bedding Dark Blue and Deep Yellow.

SELECTED FIRST-SIZE HYACINTHS

Any good soil will grow Hyacinths, but they do best in a rich, light one. **Our Matchless Bedding, Selected First-Size and Named Exhibition Hyacinths** may be planted singly in a 5-inch pot, or four bulbs of one variety to a 7- or 8-inch bulb-pan, a piece of broken pot placed across the hole in the bottom, then a layer of moss about an inch deep to provide proper drainage. Place the bulb in the pot so as to be about half an inch below the surface of the soil. Remove all the offsets from the bulb before potting, and have the soil come up to within an inch from the top of the pot to permit watering when bulbs are growing. Bulbs so potted may be "plunged" out in the open garden and covered with about 6 inches of gravel or ashes. This will admit of their getting the proper amount of moisture and still prevent damage by frost. See that there is a firm bed of ashes beneath the pots, so as to prevent the entrance of worms. They may also be put in a coldframe, or cool cellar, and kept well watered. Should be kept out about **twelve weeks**, except Roman Hyacinths, which take only about **nine weeks** to develop **fibrous roots**, which are essential to the proper development of large spikes of bloom. A very frequent mistake is made in bringing the bulbs into the light too soon, resulting in a failure to bloom, or else weak spikes. After lifting, see that the temperature for the first two weeks is quite low (50 degrees) until the top-growth has nicely developed, when they may be forced according to one's needs. By keeping near to the glass so as to avoid becoming drawn, with a liberal supply of air, strong spikes of bloom may be had. **Avoid**, under all circumstances, **direct bottom heat**.

The figures, 1, 2, 3, 4, indicate relative time of blooming—1 being early; 4 the latest.

SINGLE PINK, ROSE AND RED

GARIBALDI. 1. Deep crimson-red; large spike. Con- Doz. 100 sidered one of the best reds for early forcing.....	\$2 00	\$15 00
GERTRUDE. 3. Dark pink; compact spike. Fine for pots. 2 00		15 00
GIGANTEA. 2. Light pink; large truss. Fine for pots..... 2 00		15 00
LADY DERBY. 1. Clear rose-pink; splendid spike, with large bells. Excellent forcing variety; quite the finest of all the rose-pink Hyacinths..... 2 00		15 00
MORENO. 1. Bright rose; heavy truss; large bells..... 2 00		15 00
ROI DES BELGES. 1. Clear rosy carmine; medium-sized but compact truss..... 2 00		15 00

SINGLE BLUE, PURPLE AND VIOLET

ENCHANTRESS. 2. Delicate porcelain-blue, flushed paler; unusually long and full spike with large bells..... Doz. 100	\$2 50	\$18 00
GRAND MAITRE. 2. Dark lavender-blue; large bells and very long, well-filled truss on an unusually strong stem... 2 00		15 00
KING OF THE BLUES. 3. Rich, dark blue; splendid spike and bells. Fine for late forcing..... 2 00		15 00
LORD BALFOUR. 1. Lilac-rose, tinged dark violet, a distinct color; broad spike..... 2 50		18 00
PERLE BRILLANT. 1. Light lavender-blue, a very handsome sort. Fine for pots and early forcing..... 2 50		18 00
SCHOTEL. 1. Soft blue, shaded lilac; fine, large spike and bells..... 2 00		15 00

SINGLE WHITE AND BLUSH

ARENTE ARENDSSEN. 1. Pure snowy white; rather open, wide-petaled bells carried on narrow, well-filled spike..... Doz. 100	\$2 00	\$15 00
GENERAL VETTER. 2. Blush-tinted bells; long, well-formed spike..... 2 50		18 00
LA GRANDESSE. 3. Pure white; long, full spike of perfect form, with waxy bells. Considered the best standard white for forcing..... 2 00		15 00
L'INNOCENCE. 2. Pure white; excellent truss, with large bells of great substance. One of the best Hyacinths for pot culture..... 2 00		15 00

SINGLE YELLOW

BUFF BEAUTY. 2. Pale yellow, striped dark straw yellow, with a flush of rosy flesh on the back of the bells. Long narrow truss, with good bells and stem..... Doz. 100	\$2 00	\$15 00
YELLOW HAMMER. 3. Creamy yellow; fine, compact spike and large bells. One of the best standard yellows for pot culture..... 2 00		15 00



Single Hyacinth, La Grandesse



Miniature Hyacinths

French Roman Hyacinths

French Roman Hyacinths are among the earliest bulbs to be had in flower. The bulbs arrive from France late in August, and, like all bulbs grown in the south of France, they may be had in flower from November all through the winter months, if potted up in September and at intervals of every two weeks. They are much prized for pots or cutting on account of their graceful appearance and delicate fragrance. The bulbs are about the same size as the Miniature Dutch Hyacinths offered on this page, and may be planted six or seven to a 5- or 6-inch pot, or ten to twelve bulbs to an 8- or 9-inch bulb-pan. The flowers are smaller than those of the Dutch Hyacinth, and are borne in great profusion, the larger bulbs frequently having three to five graceful spikes of bloom. Their ease of culture and earliness of bloom suggest their use. The white variety is the most reliable. They are not hardy in our northern climate, and should not be planted outdoors. The general culture given for Hyacinths on page 16 is suggested.

	Doz.	100	1,000
White. Mammoth bulbs, 12 to 15 ctms.....	\$1 50	\$12 00	\$110 00
Jumbo bulbs, 13 to 15 ctms.....	2 00	14 00	130 00
Single Rose. First-size bulbs.....	1 30	10 00	95 00
Single Blue. First-size bulbs.....	1 30	10 00	95 00
Single Yellow. First-size bulbs.....	1 30	10 00	95 00
Double Rose. First-size bulbs.....	1 30	10 00	95 00

Our patrons desiring Hyacinths for culture in glasses are advised to select varieties from page 14. Hyacinth Glasses will be found listed on third cover page after the index.

Miniature Hyacinths

(DUTCH ROMANS)

The following method of growing Hyacinths for winter-flowering in the house has given the most satisfactory results. A number of florists use it for creating something new in the line of an Easter display, with the result that there is always a much greater demand than supply, owing to the beautiful display the Hyacinths in pans make. The secret of acquiring success is simply the following: Plant only one kind in a pan, in order to have them all bloom at once, and to have them all the same shade. The following varieties are the best sorts. By planting 10 to 12 bulbs of any one variety mentioned, in a pan 8 to 9 inches in diameter, and following the directions for planting in pots, the most satisfactory results will be obtained. In ordering bulbs for this purpose, be sure to mention Miniature Hyacinths.

Gertrude. Fine pink.

La Victoire. Bright red.

Gigantea. Pale pink.

La Grandesse. Pure white; large spike.

Grandeur a Merveille. Blush-white.

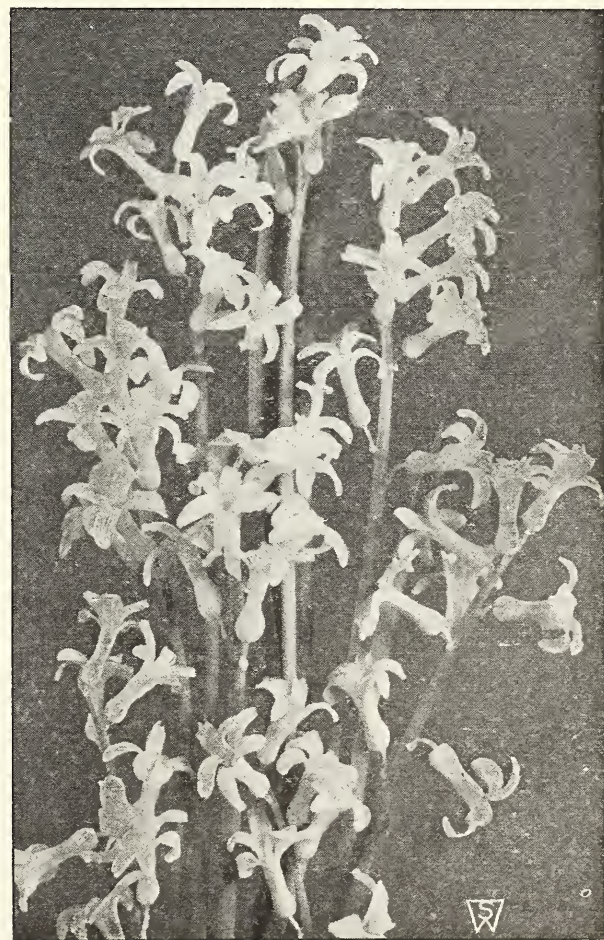
Baroness Van Thuyll. Snow-white.

Grand Maitre. Bright blue.

King of the Blues. Dark blue.

Queen of the Blues. Porcelain-blue, extra fine.

Price of any of above named varieties, 75 cts. per doz., \$5 per 100, \$45 per 1,000.



French Roman Hyacinths

Polyanthus Narcissi

VARIETIES FOR EARLY FORCING

Not for Outdoor Planting, except south of the Carolinas

We have decided to discard all the varieties of these Narcissi that are usually grown in Holland and would recommend our patrons to make selections from the Poetaz type listed on page 19 of this catalogue. The varieties **Paper-White Grandiflora**, **Grand Soleil d'Or**, and **Double Romans** we list below. These are grown for us in the south of France. They arrive in this country in August and are used principally by the florists for forcing. As these varieties are matured earlier in the south of France than in Holland, they may be brought in flower in the house or greenhouse in December or January, if potted up in September.

Gloriosa

A new variety similar in character to **Grand Soleil d'Or**, but with white flower and yellow cups. Very good for early forcing. **\$1.75 per doz., \$12 per 100, \$100 per 1,000.**

Grand Soleil d'Or

A popular yellow bunch-flowering variety of the Polyanthus type. Flowers a clear, sunny yellow, with bright orange cups. Excellent for early flowering indoors. **\$2 per doz., \$15 per 100, \$145 per 1,000.**

Varieties Suitable for Growing in Water

GIANT PAPER-WHITE GRANDIFLORA

This large-flowering Paper-White Narcissus is such an improvement over the ordinary Paper-White that we have decided to discontinue the sale of the latter. It can be had in bloom from Christmas to Easter. Plant bulbs in shallow boxes or pots so that they almost touch each other, and store in a cool cellar or shed until rooted. By bringing into the light during early November they may be had in bloom for Christmas. Excellent results can be obtained by growing in bowls of water and pebbles or moss, the same as the Chinese Sacred Lily.

	Doz.	100	1,000
Jumbo bulbs	\$1 00	\$7 00	\$60 00
First Size	75	6 00	50 00

GLASS BOWLS. For three bulbs of Paper-White Grandiflora Narcissi or Double Roman Narcissi. **35c each, \$3.50 per doz. For 6 bulbs, 50c. each, \$5 per doz.**

PEBBLES. Carefully screened and selected. **Quart box 20 cts., 2 qts. for 35 cts.**



Double Narcissi, Alba-plena odorata



Paper-White Grandiflora Narcissi growing in water

Double Narcissi

DAFFODILS

The Double-flowering Daffodils offered in our list may be planted outdoors, but are admirably adapted for indoor growing in pots and pans, or may be forced in flats for cutting purposes.

Von Sion. B

This, the most popular of the Double Narcissi, is famous as the Old Double Yellow Daffodil. Rich golden yellow perianth and trumpet. This is one of the best winter-flowering and forcing sorts. Height 18 inches.

S. & W. Co.'s Exhibition Grade. This grade of Double Von Sion is selected specially for us from the **very largest double-nosed bulbs**, and are what is termed top-roots. Our large importations of this variety make it possible for us to secure this very fine grade of bulbs. Three bulbs planted in an 8-inch bulb-pan make an excellent show, and give four or five strong and perfect blooms.

	Doz.	100	1,000
Jumbo Exhibition Grade	\$1 00	\$7 00	\$65 00
Mammoth Double-nose. Will produce two or three fine flowers	90	6 00	55 00
Selected Single-nose. Will produce one fine flower	70	5 00	45 00

OTHER DOUBLE NARCISSI

Alba-plena odorata (The Double White Poet's Narcissus, or Gardenia-flowered Daffodil). D. Double, snow-white, gardenia-like flowers exquisitely scented. Height 15 inches. **10 cts. each, 75 cts. per doz., \$5 per 100, \$45 per 1,000.**

Orange Phoenix (Eggs and Bacon). D. Beautiful, double, white flowers, with orange nectary. Splendid for pot culture and cutting, and for garden decoration. Height 17 inches. **10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.**

Sulphur (or Silver) Phoenix (Codlins and Cream). D. Large, creamy white flowers, sulphur nectary. Exquisite corsage flower; fine for growing in pots. Height 18 inches. **10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.**

NARCISSI or DAFFODILS

No garden would be complete without the Narcissus or Daffodil. The innumerable positions in the garden in which their use may be availed of is responsible for their popularity. It is not only for garden culture that they are largely used, but many of the varieties are extensively grown in pots or pans for indoor decoration during late winter months. Some varieties in our list may be forced into bloom as early as January. Their simple beauty of form, dignity of habit, elegance of bloom and ease of culture, account for the new interest amounting to enthusiasm of flower-lovers all over Europe. Each year we are greeted with a profusion of novelties, many of which, on account of the high prices, are not available for immediate use. Our list, which is quite replete with many of the novelties, all of which have been favorably commented on in our Exhibit at the International Flower Show this past spring, is worthy of a trial. Whether you intend to purchase varieties for outdoor or indoor culture, for cutting or for exhibition, the varieties offered will be found quite adequate.

All the varieties of Narcissi or Daffodils offered in our catalogue, with the exception of the Polyanthus Narcissus and such other few sorts as are especially noted, are perfectly hardy, and will continue to flower outdoors each year if given a congenial location and not disturbed. Where they are used for bedding, and must be lifted, it is wise to permit bulbs to remain after flowering until the foliage turns brown down to the ground, then lifted, and the earth shaken from the bulbs; they should be stored in a cool, dry place. Narcissi, like hyacinths, should be planted by early November, and should not be allowed to remain out of the ground so long as tulips, which may be planted up to hard frost.

CULTURE.—Owing to the various sizes of the bulbs, it is not advisable to state the exact depth to plant, but the simple rule of covering the bulb one and a half times its own depth, and making the distance between the bulbs 3 to 4 inches for the smaller sorts and 5 to 6 inches for the larger ones, is a good one. For greenhouse or window-garden culture treat them the same as hyacinths, except that three or more bulbs of one variety should be planted in a pot, and not single specimens.

Where a succession of blooms is desired for outdoors as well as indoors, we have arranged the following code: A, first early; B, second early; C, midseason; D, late; E, very late.

NOTE.—In describing Daffodils, Narcissi, etc., we have referred to the "perianth" and "trumpet," "crown" or "cup." The "perianth" is the surrounding row of petals or wings, and the other terms apply to the central funnel-like tube.

Giant Trumpet Varieties, Including New and Rare Sorts

The flowers of the Giant Trumpet varieties are of large size; the "perianth," or wing-like petals, according to the variety, measure from 2 to 4 inches across, and the "trumpets," or central funnel-like tubes, vary from 3 to 4 inches in length. Flowers are borne on strong, stiff stems, which vary in height from 12 to 18 inches, according to the variety.

Albicans. Discarded. Mme. de Graaff recommended instead.

Alice Knights. White perianth with gracefully twisted petals; creamy white trumpet, slightly recurving and elegant form. Quite the earliest-flowering White Trumpet for outdoors or pots. 50 cts. each, \$5 per doz., \$40 per 100.

Cervantes. We recommend this variety in place of Mrs. Walter T. Ware which we previously listed as being a very early forcing bicolor. Perianth clear sulphur-yellow, trumpet deep yellow. Height 18 inches. \$1 per doz., \$7 per 100, \$65 per 1,000.

Duke of Bedford. B. White perianth, with loose, spreading petals and long, deep yellow trumpet well frilled at the mouth. The marked contrast in color between the deep trumpet and the glistening white perianth is very effective. A splendid exhibition sort. Height 16 inches. 40 cts. each, \$4 per doz., \$30 per 100.

Emperor. C. Perianth deep primrose-yellow, trumpet rich yellow; a very large flower of wonderful substance. Excellent for naturalizing or forcing. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 00	\$7 00	\$65 00
Mammoth bulbs	90	6 00	55 00
First-size, round bulbs	75	5 00	45 00

Emperor. (French-grown.) A strain of the above described variety grown in the south of France and used here for early forcing. \$1.50 per doz., \$9 per 100, \$85 per 1,000.

Empress. C. White perianth of great substance; trumpet rich chrome-yellow. Very showy for the border or for naturalizing. Does equally well forced. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 00	\$7 00	\$65 00
Mammoth bulbs	90	6 00	55 00
First-size, round bulbs	75	5 00	45 00

Glory of Leyden. C. Perianth pale yellow, broad and spreading, very long trumpet of golden yellow; enormous flower of great vigor and substance. An especially fine variety for borders and excellent for pot culture. Should not be forced hard. Must be planted early. Height 15 inches. 15 cts. each, \$1.50 per doz., \$10 per 100.

Glory of Noordwijk. B. One of the best and most attractive of the Bicolors; perianth sulphur-white, trumpet chrome-yellow, very long and elegantly reflexed at the brim; of good size and substance. Grand for pots or cutting. Height 14 inches. 15 cts. each, \$1.50 per doz., \$10 per 100.

Golden Spur. A. A very good variety, both perianth and trumpet being of a rich yellow color; foliage very broad and striking. It is of unusually robust habit and unsurpassed for garden, pots, or forcing. Early and extremely free flowering. Height 18 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 00	\$7 50	\$70 00
Mammoth bulbs	90	6 00	55 00
First-size, round bulbs	75	5 00	45 00

Golden Spur. (French-grown.) A strain of the above described variety grown in the south of France and used here for early forcing. \$1.50 per doz., \$10 per 100, \$95 per 1,000.



Various Narcissi

Giant Trumpet Narcissi, continued

Grace Darling. Discarded. Mme. de Graaff recommended instead.

Henry Irving. Discarded. Emperor recommended instead.

Horsfieldii. Discarded. Cervantes recommended instead.

KING ALFRED C

A king among the new varieties, one that responds splendidly to forcing and one that you should grow a few of. For pans or pots for exhibition, its size, general vigor, and depth of color put it in a distinct class of the **Finest Giant Golden Yellow Narcissi**. Wherever this Narcissus has been exhibited it has caused a sensation. Perianth often measures 4 inches across, trumpet fully 2 inches. **25 cts. each, \$2.50 per doz., \$15 per 100.**



Emperor Narcissi

Lord Roberts. Yellow Trumpet. Perianth of remarkable substance, something like two triangles of petals superimposed; long, sturdy trumpet, wholly in keeping with the noble character of the flower. A self-toned, deep, golden yellow. A free bloomer and tall grower of enormous size and color. Height 23 inches. **50 cts. each, \$5 per doz., \$40 per 100.**

Mme. de Graaff. C. Pure white perianth, trumpet primrose, passing into white, well formed at the brim. A good white for exhibition, or growing in pots or pans for decoration. Bulbs should be removed from containers immediately upon receipt and planted; if permitted to remain will quickly decay. Height 15 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

Mrs. H. D. Betteridge. B. Broad, well-formed perianth with expanding petals; long straight trumpet of ideal form, with exquisitely flanged brim. The color is a uniform, clear ivory-white throughout. This and Mme. de Graaff are the best two white trumpets in our list for exhibition. Height 14 inches. **50 cts. each, \$5 per doz., \$40 per 100.**

Olympia. B. Perianth light chrome-yellow, trumpet deep chrome-yellow; of huge dimensions. Splendid exhibition sort; a variety in the same class as King Alfred; of wonderful constitution and size. Height 15 inches. **50 cts. each, \$5 per doz., \$40 per 100.**

Peter Barr. White Trumpet. White perianth of rather loose and spreading form; huge trumpet of pale ivory-white, very long and beautifully recurving at brim. A flower of exquisite symmetry, fine substance, and very noble character, the largest White Trumpet in our list. Strong grower and free bloomer. Height 15 inches. **75 cts. each, \$7.50 per doz., \$60 per 100.**

SPRING GLORY

Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Daffodils for pot culture. **20 cts. each, \$2 per doz., \$15 per 100.**

Trumpet Major. A. Flower large and almost of a uniform deep golden. Highly prized as an early forcing sort and largely planted for outside bedding. Height 16 inches.

	Doz.	100	1,000
Dutch-grown	\$0 75	\$5 00	\$45 00

Vanilla. C. This is a grand, tall-growing and very handsome variety, having a fine, bold trumpet of deep yellow, with a paler perianth, and possessing the added charm of a most pleasing and delicate odor. It flowers the same time as Emperor, and is a good variety for forcing. Height 20 inches. **15 cts. each, \$1.50 per doz., \$10 per 100.**

VICTORIA B

A Bicolor famous for its large and durable flowers which stand boldly erect; broad perianth of creamy white; large, broad, fluted trumpet of rich yellow. A strong grower, with massive flowers. Fine for forcing, the flowers lasting in excellent condition long after being cut. Height 16 inches.

	Doz.	100	1,000
Jumbo bulbs	\$1 00	\$7 00	\$65 00
Mother bulbs	90	6 00	55 00
First-size, round bulbs	50	5 00	45 00

Weardale Perfection. Perianth milk-white with broad, overlapping petals; long trumpet of primrose-yellow, elegantly fluted at the mouth. A good grower and free bloomer. **30 cts. each, \$3 per doz., \$20 per 100.**

Giant Trumpets in Mixture. For naturalizing. Each year we import large quantities of these bulbs for naturalizing, and frequently, at the end of the season, prepare a mixture of some of the best varieties which we have in surplus for this purpose, which we offer at the very low price of \$4 per 100, \$35 per 1,000.

Medium Trumpet Narcissi, or Daffodils

This is also a very popular type or rather types of the Narcissus or Daffodil family. Splendid for garden culture, in pots or pans, or in flats, for cut-flowers.

The following varieties are grouped in some catalogues under the headings, Barrii, Incomparabilis and Leedsii types.

NOTE.—"Perianth" is surrounding row of petals, or wings; "crown" or "cup" is the central cup or funnel-like tube.

BARRII. Daffodils belonging to this group are crosses between Yellow Giant Trumpets and the Poet's Narcissi. The crown usually is not over one-third the length of the perianth petals.

INCOMPARABILIS. The Incomparabilis varieties are also crosses between the Yellow Giant Trumpets and the Poet's Narcissi, but the crowns are larger than those of the Barrii group, sometimes being three-fourths of the length of the perianth petals. The color of the perianth is either yellow or white.

LEEDSII. These are crosses between White Giant Trumpets and the Poet's Narcissi. The crowns are as large as those of the Barrii and Incomparabilis groups, but the perianth petals are always white, and the crowns are mostly white or light yellow.

Albatross. (Barrii.) C. Large, flat, white perianth; cup pale citron, deep yellow-edged, and elegantly frilled at the brim. Splendid forcing and garden variety. Height 20 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Autocrat. (Incomparabilis.) C. Clear golden yellow; broad perianth tending to reflex, cup widely expanded at the mouth. A very handsome variety for the border or pots. Height 20 inches. Selected bulbs, 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Bernardino. (Incomparabilis.) Very large, creamy white perianth of great substance; large cup of pale lemon-yellow, flushed and edged pinkish apricot, and very heavily frilled. Height 20 inches. \$1 each, \$10 per doz.

Conspicuus. (Barrii.) C. Large, broad-spreading perianth of pale yellow, short darker yellow cup, brightly edged orange-scarlet. Splendid for midseason forcing, and good for any position in the garden. Height 21 inches. Selected bulbs, 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Duchess of Westminster. (Leedsii.) C. Pure white perianth; cup pale canary-yellow, slightly darker at the edge, passing into ivory-white; large star-like flower of exquisite beauty. One of the best of the Leedsii for exhibition. Height 16 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Frank Miles. (Incomparabilis.) C. Perianth pale yellow, elegantly twisted; cup bright yellow; large flowers. Effective planted in clumps in the border; also grown extensively for cutting; very good for pot culture. Height 21 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Great Warley. (Incomparabilis.) Broad, massive perianth of creamy white, fully 5 inches across when well grown; rich golden yellow crown, 1½ inches wide. A very striking and beautiful flower. Height 18 inches. 80 cts. each, \$8 per doz.

Lady Godiva. (Barrii.) C. Large, spreading perianth of pure white, cup large, pale yellow, edged orange-scarlet. A splendid variety in every way; excellent if planted out in combination with the variety Conspicuus. Height 18 inches. 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

Lord Kitchener. (Leedsii.) Large, snowy white perianth, broad and flat, of great substance; big crown of the palest primrose, widely open at mouth and elegantly crimped and fluted at the brim. A flower of perfect quality, one of the most desirable in its class. Height 21 inches. 40 cts. each, \$4 per doz., \$30 per 100.

Lucifer. (Incomparabilis.) C. Perianth sulphur-white, with long, well-rounded petals; cup chrome-yellow, with intense orange-scarlet suffusions. A bold, showy flower for outdoors, holding its color well, and splendid for exhibition. Height 18 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Masterpiece. (Barrii.) Perianth sulphur-white with broad, very round petals of great substance and Poeticus character, eye orange-scarlet, quite flat and beautifully crinkled, the color covering the entire surface of the inch-wide eye. Height 22 inches. 50 cts. each, \$5 per doz., \$40 per 100.

Mermaid. (Leedsii.) Large white perianth, with smooth, overlapping, and rather pointed petals; very large bold crown, elegantly recurving and fluted at brim, of pale creamy primrose turning to creamy white. Height 15 inches. 50 cts. each, \$5 per doz., \$40 per 100.

Mrs. Langtry. (Leedsii.) D. A remarkably free-flowering variety, each bulb usually producing several flowers; broad white perianth, white cup opening pale primrose. On account of its low price it is largely used for naturalizing. It is good, also, for potting. Height 16 inches. Selected bulbs, 10 cts. each, 90 cts. per doz., \$6 per 100, \$55 per 1,000.

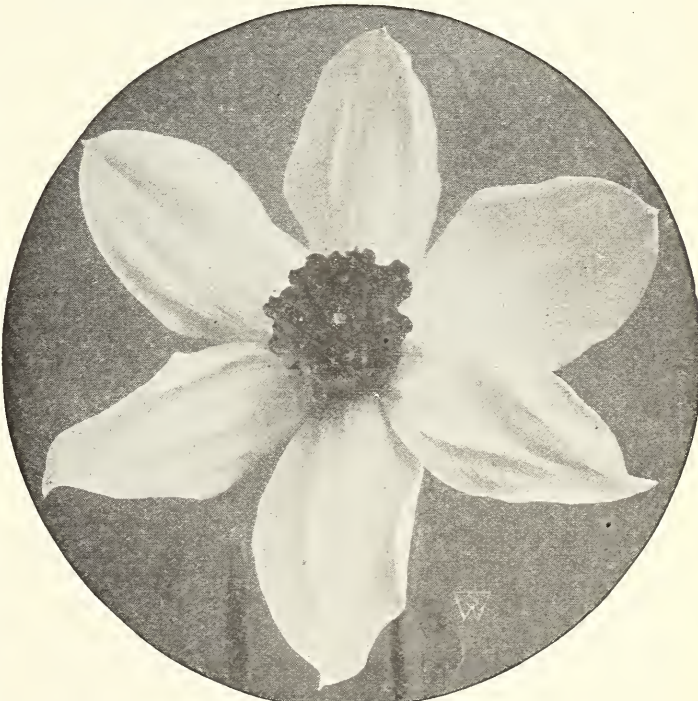
Red Beacon. (Barrii.) Broad white perianth of splendid substance, with broad well-frilled cup of dazzling orange-scarlet. A very striking variety on account of its brilliant coloring. 35 cts. each, \$3.50 per doz., \$25 per 100.

Sir Watkin. (Incomparabilis.) C. Perianth primrose-yellow; large and well-formed yellow cup, tinted deep yellow. A giant among the Medium Trumpet sorts. A grand flower of wonderful substance for garden culture or pots, this variety frequently has flowers 5 inches across, and its splendid proportion and ease of culture cause it to be one of the most popular of the older varieties. Height 18 in. Each Doz. 100 1,000

Mother bulbs.....	\$0 10	\$1 00	\$7 00	\$65 00
First-size, round bulbs.....	10	70	5 00	45 00

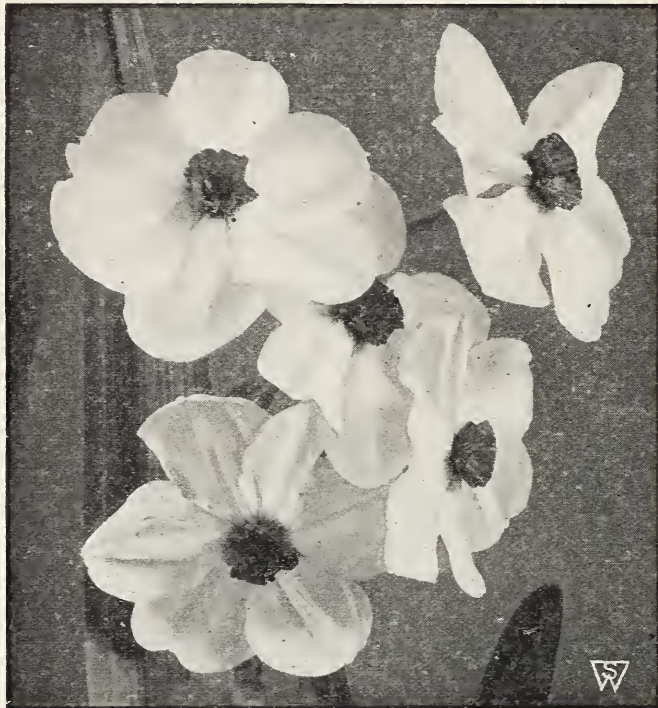
White Lady. (Leedsii.) C. Broad, white perianth of perfect form; small cup of pale canary, beautifully crinkled. A new sort that is conceded to be one of the best. Fine for outdoor planting, making a splendid cut-flower; good for pot culture also. Height 20 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Will Scarlett. (Incomparabilis.) Creamy white perianth; cup widely expanded and of a brilliant orange-scarlet, elegantly frilled. 30 cts. each, \$3 per doz., \$20 per 100.



Medium Trumpet Narcissus, Lucifer

Medium Trumpets in Mixture. For naturalizing. Our mixture of the Medium Trumpets for natural plantations contains a great many varieties which we do not list under separate headings and are excellent for this purpose. \$4 per 100, \$35 per 1,000.



Narcissus Poetaz, Aspasia



Narcissus Poeticus, King Edward VII

Narcissus Poetaz

THE HARDY CLUSTER-FLOWERED POET'S NARCISSUS

Admiration. Perianth sulphur-yellow, with a sulphur-yellow eye rimmed scarlet-red; a beautiful new variety in this section. Height 20 inches. 15 cts. each, \$1.50 per doz., \$10 per 100.

Alsace. Pure white, with yellow cup, having a slight reddish edge when nearly opened; broad large flower, usually three to a stem. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Aspasia. C. Perianth pure white, with soft yellow eye; three or four flowers on a stem. A splendid variety for outdoor planting; very bright in color. Height 18 inches. 10 cts. each, \$1 per doz., \$7 per 100, \$65 per 1,000.

Elvira. C. A large flower of remarkable substance; perianth pure white with a yellow eye; three or four flowers, two or three stems to a bulb; strong grower and free flowering. Splendid for pots, pans, or garden culture. Height 24 inches. 10 cts. each, 90 cts. per doz., \$6.50 per 100, \$60 per 1,000.

Irene. D. Yellow perianth, with deep golden yellow cup; broad flowers borne seven to eight on a stem; three stems to a bulb. The largest yellow. 15 cts. each, \$1.25 per doz., \$8 per 100, \$75 per 1,000.

Klondyke. Perianth even tone of pure bright yellow, with golden yellow eye. A variety of wonderful vigor and size, giving 5 to 6 flowers on a stem. Height 14 inches. 15 cts. each, \$1.50 per doz., \$10 per 100.

The Poet's Narcissi

Narcissus poeticus

This class of Narcissus, instead of having a trumpet or crown, has a small, wide-mouthed cup. They are very hardy, and are used in large numbers for naturalizing, their simplicity of form and delightful fragrance making them highly prized. Cassandra, Epic, King Edward VII, and Ornatus are used with excellent success for growing indoors in pots or pans, or gently forced into bloom for cutting purposes.

Cassandra. C. Broad, wide-spreading perianth of snowy white; very small, flat cup, deeply rimmed dark red; a flower of perfect shape and thick substance. A tall and vigorous grower. A fine Poet's Narcissus. Excellent for pot-culture. Height 18 inches. 20 cts. each, \$2 per doz., \$15 per 100.

Epic. Quite the best and largest of the new Poet's varieties. The white perianth is of large size, cup canary-yellow, rimmed bright red. Height 17 inches. 15 cts. each, \$1.50 per doz., \$10 per 100.

King Edward VII. C. Round, white perianth, cup light yellow, margined deep red. A vigorous grower, excellent for pot culture. Height 15 inches. \$1 per doz., \$7 per 100, \$65 per 1,000.

Ornatus (Improved Poeticus). C. Grand flower for cutting. Larger and more symmetrical than the old variety and considerably earlier. Pure white flowers, saffron cup, tinged rosy scarlet. Magnificent cut-flower. Height 15 inches. **Mother Bulbs, 75 cts. per doz., \$4.50 per 100, \$40 per 1,000.**

Poeticus (Pheasant's Eye). E. The original late-flowering Pheasant's Eye variety so popular for gardens and naturalizing; pure white flowers with orange cup, edged with red. Height 15 inches. 60 cts. per doz., \$4 per 100, \$35 per 1,000.

Sweet-Scented Jonquils

Very much prized for their deliciously scented golden flowers; perfectly hardy in gardens or naturalized, also admirably adapted to indoor culture in pots of soil.

We frequently receive orders for Jonquils when the Giant Trumpet Daffodils are desired. We ask our patrons to select varietal name in order to avoid the confusion caused thereby. The Jonquils listed below belong to a distinct type of the Narcissus family. The foliage is rush-leaved, and the flowers are borne in clusters of four or five on each stem, and should not be confused with the Giant and Medium Trumpet Daffodils in our list. We have decided to discard the common Single and Double Jonquils in favor of the following sorts.

Giant Campernelle rugulosus. Much larger and finer than the old favorite Campernelle Jonquils; a much freer bloomer and much more desirable, especially for forcing. Beautiful, single, yellow, star-shaped flowers, exquisitely imbricated, borne in clusters of four to six on a stem; delightfully fragrant. Also very hardy and valuable for outdoor planting. 80 cts. per doz., \$5 per 100, \$45 per 1,000.

Rugulosus, Double. The double form of the large-flowering Campernelle Jonquil. Large, double, yellow flowers; very fragrant and much superior to the common Double Jonquil. Height 20 inches. 80 cts. per doz., \$5 per 100, \$45 per 1,000.

CHINESE SACRED LILY

The "Shui Sin Far," or Water Fairy Flower, Joss Flower or Flower of the Gods, etc., as it is called by the celestials, is a variety of Narcissus, bearing in profusion chaste flowers of silvery white, with golden yellow cups. They are of exquisite beauty and entrancing perfume.

The bulbs, of large size and great vitality, are of luxuriant growth, producing several spikes of flowers; the incredibly short time required to bring bulbs into bloom (four to six weeks after planting) is one of the wonders of nature. You can almost see them grow, succeeding almost everywhere and with everybody. They do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough fancy pebbles to prevent them from toppling over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter. We have found that first-size bulbs, as generally sent out by other houses, do not flower satisfactorily, and we therefore offer only Mammoth and Jumbo sizes

	Each	Doz.	100
Mammoth bulbs	\$0 25	\$2 50	\$20 00
Jumbo bulbs	35	3 50	27 50

GLASS BOWLS, for one bulb of Chinese Lily, 35 cts. each, \$3.50 per doz.; for 6 bulbs, 50 cts. each, \$5 per doz.

PEBBLES. Carefully screened and selected. Per quart box, 20 cts., 2 boxes for 35 cts.

JAPANESE LILIES (Cold Storage)

Many of our patrons who have greenhouse facilities are desirous of planting bulbs of some of the varieties of Japanese Liliiums during the summer months for flowering during the late autumn and Christmas time and to these we offer the following varieties: *L. speciosum album*, or the pink form, *Magnificum* (flowers in 5 months).

L. speciosum album. White. 9- to 11-inch bulbs (50 per case).....\$25 00
L. speciosum magnificum. Pink. 9- to 11-inch bulbs (50 per case).... 25 00



Chinese Sacred Lily

CROCUS

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or "Slim Jim" trowel, inserting several bulbs in each spot. This makes a very pretty effect in early spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made. They are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size. They will not flower if exposed to heat, nor must too severe forcing be attempted. After potting set bulbs in a cool cellar and water well. Leave them about six weeks until they are thoroughly rooted and then bring to the light of the conservatory or sunny window. Care should be taken to cover the bulbs about 1 inch, whether planted outdoors or in pots, as planting too deep causes them not to flower



Giant-flowering Crocus, Kathleen Parlow

Any of the following, 40c. per doz., \$2.50 per 100, \$20 per 1,000
Purpurea Grandiflora. Best dark blue.
Julia Culp. Large-flowering purple
Kathleen Parlow. Purest white, fine large flowers.
La Majestueuse. White, striped purple.
Mont Blanc. An old favorite; large; pure white.
Yellow Mammoth. The largest flowering sort of this color

S. & W. Co.'s Special Mixture. A special mixture of all colors and shades. 30 cts. per doz., \$2 per 100, \$18 per 1,000.

CYCLAMEN BULBS

We frequently, at flower shows, see these beautiful plants of Cyclamen, often 18 inches through, with innumerable blooms. There are very few highly specialized growers of these plants in this country growing this exhibition stock, which is much superior to that usually seen in the spring of the year in the florists' shops. Plants of these flowers grown from seed usually take eighteen months from the time of sowing the seed until they are brought into full bloom. We have made arrangements to have one of the best growers in this country furnish us with bulbs of his famous strain which, if planted in 5-inch pots, just allowing bulbs to protrude above the top of the soil, should make excellent flowering plants for next spring. **Dormant Bulbs of the following for delivery during September:**

Glory of Wandsbek. Salmon.
Brilliant Red. Bright red.
Christmas Cheer. Blood-red.
Mont Blanc. Pure white.
Miriam. White, with pink eye.
Daybreak. Light pink.
Rose of Marienthal. Light pink, dark eye.
Magnifica. Dark rosy pink.
Rosea Superba. Shell-pink.
Victoria. White tipped with pink; fringed edge.

Selected Bulbs, 50 cts. each, \$5 per doz., \$40 per 100

HARDY LILIES

We especially recommend deep planting, say, from 6 to 8 inches; varieties like Speciosums require at least 8 inches, with an ample amount of sand beneath the bulb to insure proper drainage. Cover the beds with leaves or litter during winter. Lilies thrive well in borders, formal gardens or shrubbery, and usually flower at a time when the shrubbery has ceased blooming, adding increased interest. The following varieties have proved to be sorts that may be planted in the fall or spring with excellent results. We frequently receive orders for *Lilium candidum* for spring delivery. This Lily arrives from France in September, and must be planted by November 1.

Most Lily Bulbs, being of late maturity, do not arrive in our country until October and November, which is conceded to be the best time to plant. Where the ground is liable to freeze before late Lilies arrive, it should be mulched with leaves or manure.

LILIAM CANDIDUM (Madonna Lily)

Choice Northern-Grown. Arrive in August or September

The favorite Lily of the old-fashioned garden, produces strong, stiff stems, studded with a mass of pure, glistening white flowers, that enliven the perennial flower-garden or, for contrast with the beautiful green shrubs of the June garden, are unequaled, frequently growing $4\frac{1}{2}$ feet high.

Plant some bulbs during September and October and enjoy a big crop of flowers next June; or pot up, store in coldframe, and force for early winter in the greenhouse or conservatory. Our bulbs of this splendid Lily are grown in northern France, and are of the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the cheap, loose, southern-grown bulbs.

	Each	Doz.	100
First Size.....	\$0 30	\$3 00	\$20 00
Mammoth Bulbs.....	40	4 00	30 00
Jumbo Bulbs.....	50	5 00	40 00



Lilium candidum

LILIAM AURATUM

(The Golden-Rayed Lily of Japan)

November and December delivery

One of the finest and most popular of the hardy garden Lilies. It thrives best in locations where the lower portion of the plant will be partially sheltered from the hot sun, as among peonies or herbaceous plants in the hardy border, where groups of six to twelve of these Lilies produce a stately and magnificent effect. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00
11 to 13 in. in circum.....	65	6 50	50 00

LILIAM TENUIFOLIUM

The lovely Coral Lily of Siberia. A great beauty. The brightest of all Lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. 30 cts. each, \$3 per doz., \$20 per 100.

Lilium auratum (Golden-rayed Lily of Japan)



Lilium speciosum magnificum

HARDY LILIES, continued

Lilium speciosum magnificum

(Oriental Orchids). November and December delivery

Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the *Lilium auratum* offered on the previous page. Splendid for pot culture as well. Blooms outside during August.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00
11 to 13 in. in circum.....	65	6 50	50 00

Lilium speciosum album

November and December delivery

The white Speciosum, which is usually grown with Magnificum and *Lilium auratum*, is a very dainty Lily. It flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum, and is one of the most extensively cultivated varieties.

	Each	Doz.	100
8 to 9 in. in circum.....	\$0 35	\$3 50	\$25 00
9 to 11 in. in circum.....	45	4 50	35 00

OTHER HARDY LILIES

Suitable for Garden Culture

Hansonii. Under favorable conditions attains a height of 3 to 4 feet. Flowers reddish orange, eight to twelve in a cluster; petals thick and durable. 75 cts. each, \$7.50 per doz., \$60 per 100.

Pardalinum. A California variety bearing twelve to thirty flowers on stems 4 to 6 feet high; bright orange, spotted dark crimson. Flowers in July. 30 cts. each, \$3 per doz., \$20 per 100.

Superbum. In a collection of best plants of all countries, our native Superbum Lily would deserve a first place. In deep, rich soil it often grows 8 feet high, with twenty to thirty flowers. It is of the easiest culture, and may be grown as a wild flower in any swampy or rough part of a place where the grass is not mown. Extra-selected bulbs. 25 cts. each, \$2.50 per doz., \$15 per 100.

Tigrinum splendens. The finest type of the quaint and much-loved Tiger Lily. Large, selected bulbs, 25 cts. each, \$2.50 per doz., \$15 per 100.

Tigrinum splendens, Double. The double form of the above. 25 cts. each, \$2.50 per doz., \$15 per 100.

LILY BULBS FOR INDOOR GROWING

CALLA LILIES

These like a stiff, clayey soil with a small quantity of shredded cow-manure. Bulbs should be set with the crown, or top, protruding just above the surface. When in growing condition, warm water given several times during the week will hasten the flowering period and increase the number of blooms. When using the large-sized bulbs, plant but one in a pot; smaller ones, two. We call especial attention to the Yellow Calla, which is one of the grandest varieties in cultivation, and most valuable for house or conservatory decoration. See the description opposite. Plant Callas indoors only in the fall of the year.

WHITE CALLA LILY—	Each	Doz.	100
Jumbo size.....	\$0 50	\$5 00	\$40 00
Mammoth size.....	40	4 00	30 00
First size.....	25	2 50	20 00

YELLOW CALLA LILY. A grand novelty—one that should be planted extensively. The deep golden yellow flowers are truly magnificent and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty.

	Each	Doz.	100
First-size bulbs.....	\$0 40	\$4 00	\$30 00
Mammoth bulbs.....	50	5 00	40 00

EASTER LILIES

We offer three types of the Longiflorum Lily usually grown by the florist. Of the three types we recommend *Lilium formosum* as the best for private conservatory growing.

LILIAM HARRISII—	Each	Doz.	100
These bulbs usually arrive from Bermuda in July. 7 to 9 inches in circumference.....	\$0 60	\$6 00	\$45 00
9 to 11 inches in circumference.....	1 00	10 00	90 00

L. LONGIFLORUM FORMOSUM—			
We have contracted for and expect some of each of the following sizes to arrive about Sept. 1. 7 to 9 inches in circumference....	50	5 00	40 00
8 to 10 inches in circumference.....	75	7 50	60 00
9 to 10 inches in circumference.....	80	8 00	65 00
10 to 12 inches in circumference.....	90	9 00	75 00
11 to 13 inches in circumference.....	1 00	11 00	90 00

L. LONGIFLORUM GIGANTEUM—			
We have contracted for and expect some of each of the following sizes to arrive October or early November.			
7 to 9 inches in circumference.....	40	4 00	30 00
8 to 9 inches in circumference.....	45	4 50	35 00
8 to 10 inches in circumference.....	50	5 00	40 00
9 to 10 inches in circumference.....	55	5 50	45 00
10 to 12 inches in circumference.....	75	7 50	60 00



S. & W. Co.'s Lily-of-the-Valley

GIANT FREESIAS

Without doubt the most sweetly scented flower grown; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following treatment:

Procure the bulbs as early as possible, and plant them in successive batches from August to October, using from six to twenty-five bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf-mold and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in; of course they must be regularly watered and kept growing all the time. In October, before frosts appear, the pots should be placed in frames, if possible, or near the window of an unheated room. Not before November must the young plants be brought to gentle heat, and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening, pure white flowers are borne on long stems, and are very valuable for cutting.

S. & W. CO.'S IMPROVED PURITY

Through painstaking effort our grower of Freesia Purity has maintained such a quality in our strain of this very desirable cut-flower by careful selection as to justify us in offering it as an improved strain.

	Doz.	100	1,000
Monster bulbs	\$0 75	\$5 00	\$45 00
Jumbo bulbs	60	4 50	40 00
Mammoth bulbs	50	3 50	30 00

NEW FREESIAS

Fischeri. A new variety which we believe will, when better known, supersede Purity on account of its size of bloom. Pure white. \$1 per doz., \$8 per 100, \$75 per 1,000.

Fischer's Splendens. This comparatively new Freesia, introduced by the originator of Purity, stands in a distinct class. The flowers are equal in size to Purity and the plant just as vigorous. The stems are long and stiff, bearing as many flowers as Purity, of a beautiful deep lavender color which seems to be well retained throughout the life of the flower. 80 cts. per doz., \$6 per 100, \$50 per 1,000.

Mrs. Robert Craig. A brilliant shade of mauve pink with a white throat, the veins of mauve running down each petal into the throat, without any yellow spots. The flowers are borne on strong, stiff stems, of large size and great beauty. \$2 per doz., \$15 per 100.

Dorothy Robins. A very deep lilac lavender, with large flowers of Purity shape. \$1.50 per doz., \$10 per 100.

Katherine Watkins. A salmon-buff, very attractive; tall grower with stiff wiry stems. \$2 per doz., \$15 per 100.

LILY-OF-THE-VALLEY

We import especially from abroad each year large quantities of Lily-of-the-Valley in pip-form as well as in clumps. If you are planning on making a bed of Lily-of-the-Valley in some shady place in your garden, you will find the planting of clumps quite the easiest method. We carry pips principally for those of our patrons who wish to grow them in pots or flats indoors.

SUPERIOR LILY-OF-THE-VALLEY PIPS

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily-of-the-Valley growers. Our Lily-of-the-Valley produces strong spikes of flowers, about 15 inches in height, bearing from twelve to twenty extra-large, pure white bells, which are delightfully fragrant. For forcing, these pips are the very best that can be planted. New crop, November delivery, 25 pips \$1.50, 100 pips \$5, 1,000 pips \$45.

COLD STORAGE LILY-OF-THE-VALLEY

250 pips \$15, 500 pips \$27.50, 1,000 pips \$50.

LILY-OF-THE-VALLEY CLUMPS

For Outdoor Planting

Our Lily-of-the-Valley Clumps are extra selected, well grown and, if planted outdoors by the middle of April, will flower splendidly during May. If grown under the proper conditions, these clumps will increase rapidly, and every spring produce a profusion of dainty flowers. Extra-strong clumps, 50 cts. each, \$5 per doz., \$35 per 100.



The Purity Freesias illustrated here were grown from our bulbs at Lakeside Gardens, Elberon, N. J., during the spring of 1913

General Pershing. One of the finest of the new colored Freesias. A clear carmine-pink with white throat. A fine tall grower, very decorative. \$1 per doz., \$7 per 100, \$65 per 1,000.



Amaryllis, Giant-flowering Vittata Hybrids

Miscellaneous List of Bulbs

AMARYLLIS

Giant-flowering Vittata Hybrids.

Conceded to be the most noble and magnificent section of the Amaryllidaceæ. It would require a great amount of space to offer them with descriptions of the several representative types, so we confine ourselves to listing in two general classes: Red ground, variegated with white; white ground, variegated with red. The red varies in tones from a brilliant fiery color to crimson; the variegation is sometimes a broad blaze of white in the center of each petal; again, the ground-color is white, abundantly streaked with red or crimson. The flower-spikes are from 1 to 3 feet high, the foliage long and graceful. Flowers, borne in clusters, are often 8 inches across. Extra-strong bulbs, \$2 each, \$20 per doz.

ANEMONES (Windflower)

These popular flowers of French origin are exceedingly useful, both as a decorative plant for house or garden, and fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well-drained soil, and will flower during the summer, starting in May. When planted in pots, place twelve or more in a cluster and store away, if possible, in a coldframe until March 15; if carefully watered, when brought into the house they will flower abundantly. Height, 8 inches.

St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single, 3 to 5 inches across, and of the richest as well as the daintiest colors, markings and blendings, all having a distinct, dark base. They have long stems; very graceful flowers for vases. When grown indoors and forced gently the flowers are lovely. 85 cts. per doz., \$6 per 100.

Excelsior Mixture. We consider this the finest strain of single-flowering Anemones as yet raised. The plants are taller in growth than the St. Brigid and more single. They contain many fine shades of scarlet. 70 cts. per doz., \$5 per 100.

ALLIUMS

Neapolitanum. An excellent variety for winter flowering, now extensively forced by florists for cut-flowers, being of pure white, with green stamens; borne in large, loose umbels. Height 15 to 18 inches.	Doz.	100
	\$0 65	\$4 50
Moly. Yellow.	50	3 50
Ostrowskyanum. Rose.	65	4 50

CAMASSIA

Esculenta. Perfectly hardy, thriving in sheltered and partially shaded situations. Graceful flowers borne on sturdy spikes. Height 14 inches. 65 cts. per doz., \$4.50 per 100.

Cusickii. Pale lavender, starry flowers, with yellow anthers; a robust-growing variety, with tall spikes. Splendid for border planting. Height 2 to 3 feet. \$2 per doz., \$15 per 100.

CHIONODOXA

(Glory-of-the-Snow)

An early-flowering spring bulb for borders or rockery. Produces flower-spikes bearing ten to fifteen scilla-like flowers. Perfectly hardy and should be planted close together for effect.

Luciliæ. Deep blue, with a white center. Selected mother bulbs, 40 cts. per doz., \$3 per 100, \$30 per 1,000.

Luciliæ alba. Beautiful white form of the above. 70 cts. per doz., \$5 per 100, \$45 per 1,000.

Sardensis. True gentian-blue, very striking. Selected mother bulbs, 85 cts. per doz., \$6 per 100, \$55 per 1,000.

NOTICE. At the time this catalogue goes to press, the Federal Horticultural Board of the Department of Agriculture is considering the advisability of permitting unrestricted entry of what is generally termed "in the trade," as the "miscellaneous dry bulbs." Pages 27-30 are devoted to them. We have placed contracts abroad for all these varieties, with the exception of Amaryllis, Gladiolus, Oxalis, Spirea clumps, Trilliums, and Tuberoses, which are American-grown. Should any of these Bulbs not be allowed entry, our patrons will be advised.

Miscellaneous List of Bulbs, continued



Bed of Grape Hyacinths

ERANTHIS HYEMALIS (Winter Aconite)

Early in spring the golden blossoms look charming, resting on an emerald-green cushion of leaves, and forming a striking contrast to the snowdrops, scillas, and chionodoxas. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees, which the Winter Aconite enjoys, and where few other flowering plants will thrive. 3 to 8 inches high. 35 cts. per doz., \$2.50 per 100, \$20 per 1,000.

ERYTHRONIUM (Dog's-tooth Violet)

Beautiful, hardy plants, especially suited to moist, shady situations; leaves variegated; flower-stems about a foot high, bear lily-like blossoms of different colors; do well in pots.

	Doz.	100
Americanum. Large, cream-colored flowers, with maroon base; leaves richly mottled.....	\$1 50	\$12 00
Dens-Canis album. White.....	85	6 00
Dens-Canis, Rose Queen	1 00	7 00
Dens-Canis, Purple Flag	1 00	7 00
Dens-Canis, Mixed	70	5 00

EREMURUS ROBUSTUS Ready in October

A noble and rare bulbous plant from Turkestan, and one of the choicest subjects for the permanent hardy border. It thrives best in a well-drained, sheltered, sunny position, and prefers a deep, sandy loam to which has been added a liberal quantity of well-rotted cow manure. A covering of 4 to 5 inches of leaves or litter will be beneficial and save the young shoots, which start early, and are liable to be damaged by late frosts. It produces immense flower-stems, 6 to 10 feet high, bearing a dense raceme of flesh-pink flowers, each nearly 2 inches across. Extra-strong, flowering roots, \$3 each, \$30 per doz.

Himalaicus. Another noble variety from the temperate Himalayan Mountains, 4 to 8 feet high. Raceme nearly 2 feet long, of lovely pure white flowers as large as a fifty-cent piece. This is perhaps the hardest and easiest grown of this magnificent genus. Strong, flowering roots, \$2.50 each, \$25 per doz. Ready in October.

FRITILLARIA MELEAGRIS

Singular, dwarf, spring-flowering plants, bearing large, pendent bell-shaped flowers of various colors, in yellow, white, black, purple, striped and splashed and checkered in the most curious way. They are invaluable for pot culture, and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

Meleagris alba. White. 60 cts. per doz., \$4 per 100, \$35 per 1,000.
Mixed Varieties. 40 cts. per doz., \$3 per 100, \$25 per 1,000.

GRAPE HYACINTHS

Very beautiful little flowers for planting in masses, either in shade or where exposed to the sun. When planted out in herbaceous borders, where they can be left undisturbed, they do exceedingly well, each year adding to their already profuse-blooming qualities. Bloom outdoors during May. They are also excellent for pot culture.

Heavenly Blue. This variety is the largest and best of the Grape Hyacinths. The bells are large and form a fine truss. Splendid effects are produced by massing in the garden or border. 70 cts. per doz., \$5 per 100, \$45 per 1,000.

Album. A very beautiful white form of the above and excellent to use for contrasting with Heavenly Blue. 60 cts. per doz., \$4 per 100, \$35 per 1,000.

GLADIOLUS COLVILLEI

Delivery in
October and November

The Colvillei section should not be confused with the Gandeensis or Large-flowering Gladioli. The Colvillei has much more slender spikes and daintier flowers, which are pretty for cutting; arranged in vases with ferns and other foliage. Often planted in carnation beds.

Ackermanni. A beautiful salmon-orange, with white blotch edged scarlet. \$1.20 per doz., \$9 per 100, \$85 per 1,000.

Blushing Bride. A very delicate pink with bright carmine blotch in the throat. 75 cts. per doz., \$5.50 per 100, \$50 per 1,000.

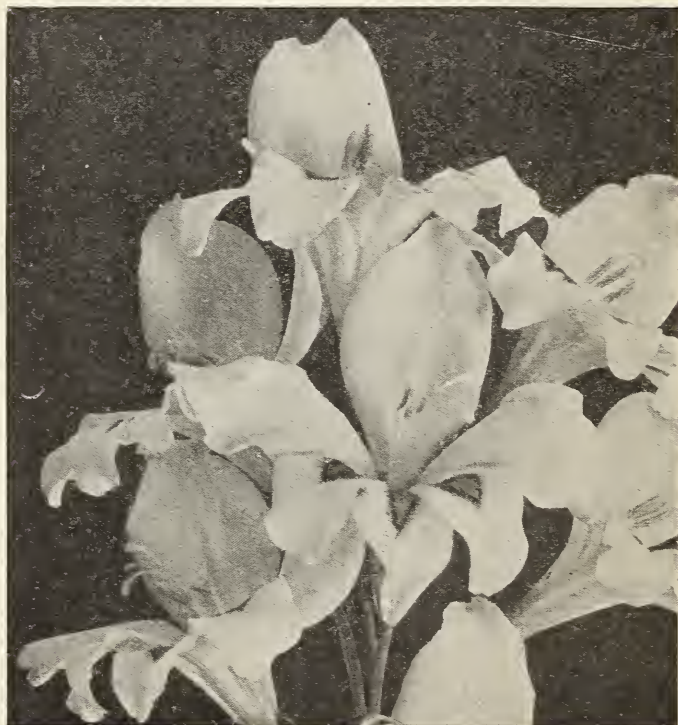
Peach Blossom. A very lovely shade of soft pink on the order of the Killarney rose. 75 cts. per doz., \$5.50 per 100, \$50 per 1,000.

GLADIOLUS GANDEVENSIS HYBRIDS

Ready in November

We frequently receive requests for the large-flowering type of Gladioli which is principally used for outdoor planting in the spring for summer blooming to be used for forcing. We offer a short list of the best varieties for this purpose.

	Doz.	100	1,000
America. Delicate lavender-pink.....	\$0 80	\$6 00	\$55 00
Brenchleyensis. Clear vermilion-scarlet...	80	6 00	55 00
Halley. Very early; salmon-pink.....	80	6 00	55 00
Mrs. Frank Pendleton. Salmon-pink which is greatly enhanced by the deep maroon blotch on the three lower petals.....	1 50	12 00	
Peace. One of the finest pure white varieties, with blue featherings.....	1 50	12 00	
Schwaben. Pure canary-yellow, with a carmine blotch deep in the throat.....	1 50	12 00	



Gladiolus Colvillei, Peach Blossom

BEAUTIFUL BULBOUS IRISES

Few flowers are equal in merit to the Iris, in its many forms and gorgeous colorings. The Irises offered on this page are bulbs and are grown just like the daffodil or tulip. The Dutch Iris in this latitude flowers during May, the Spanish in early June. *Iris filifolia imperator* and *Iris tingitana* are usually grown indoors in pots. Bulbs do best if planted in October, and also seem to do better if protected with a slight covering during winter.

SPANISH IRIS (*Iris hispanica*)

These exquisite and dainty flowers may be justly termed the "poor man's orchid," as the colorings and markings are scarcely surpassed by that noble genus. The flowers are exceedingly graceful, of large size, frequently 4 to 5 inches across, and are borne on stems 24 inches tall. Few, if any, of the Irises lend themselves to more artistic arrangement as a cut-flower for the drawing-room or the dinner-table.

They may be planted in pots and stored in coldframes over winter, and forced into bloom during March. They are seen to the best advantage if arranged in masses of the different colors, all of which combine splendidly, in borders or beds. Plant bulbs 3 to 4 inches deep, and the same distance apart. Sharp builders' sand, to the depth of 1 inch beneath base of the bulbs will amply repay by more luxuriant spikes and larger flowers. A situation well open to the sun suits them best, and, like all bulbous Irises offered, a slight mulch will prove beneficial.

Belle Chinoise. Bright sunny yellow.

Cajanus. Rich golden yellow.

Heavenly Blue. Deep sky-blue.

Hercules. Beautiful bronze.

King of the Blues. Deep dark blue.

King of the Whites. Large; pure white.

Queen Wilhelmina. Large; pure white.

Selected bulbs, any of the above varieties, 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

DUTCH IRIS (*Iris hollandica*)

New Early-Flowering Dutch Iris

This race may be best described as a giant strain of the early-flowering Spanish Iris. The foliage is broader and of a rich, glaucous green and the flowers are rich in their colorings. They flower about two weeks earlier than the Spanish Iris, and require the same cultural treatment. Like all bulbous Iris offered, they are better for a covering of leaves or litter as a protection.

Anton Mauve. A uniform soft blue; very large and substantial flower.

Brijet. Porcelain-blue, shaded grayish lilac.

Der Kinderen. Bright blue standards with yellow falls.

Franz Hals. Pale blue, with creamy yellow falls and large orange spot.

Hart Nibbrig. Brilliant clear blue. Considered one of the finest of this beautiful family.

Hartz. Standards purple-blue, flaked lilac; falls grayish lilac.

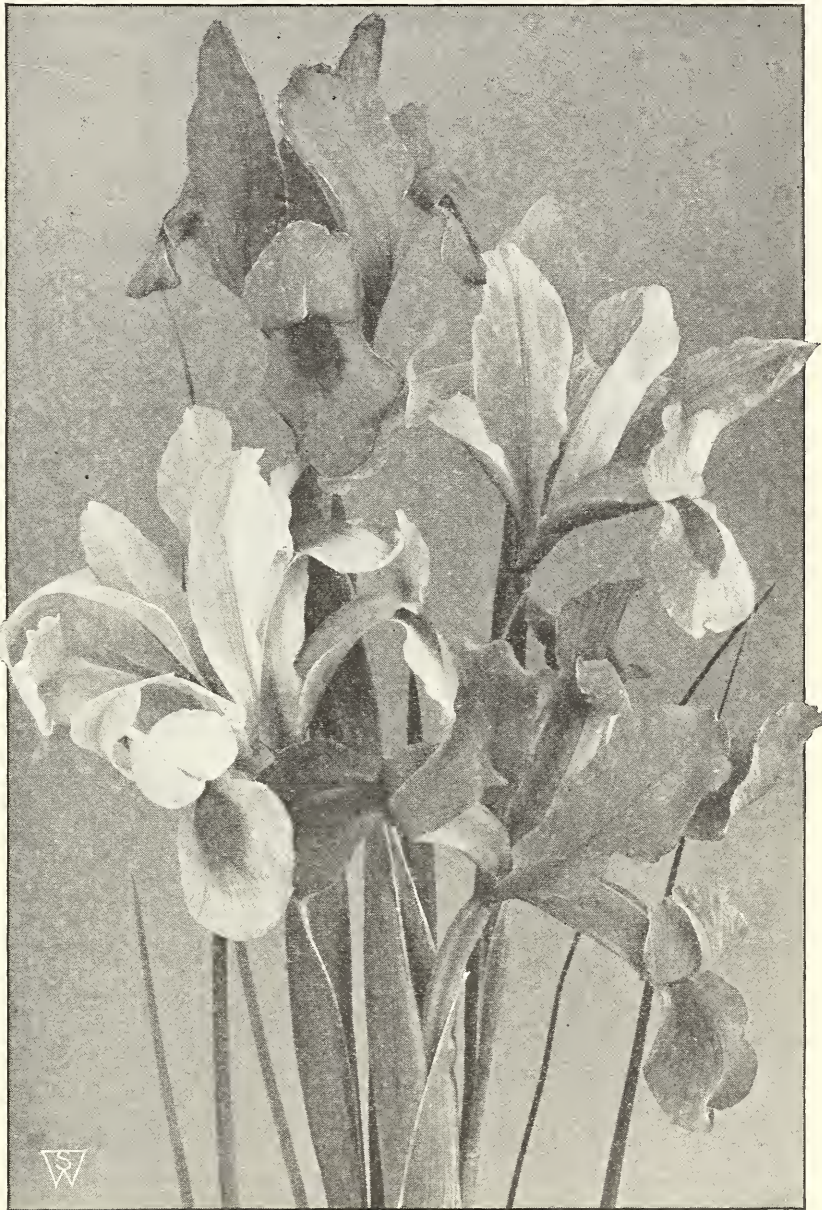
Hobbema. White, faintly tinged blue, with white standards.

Van Der Venne. Lilac and creamy white.

Selected bulbs, any of the above varieties, 85 cts. per doz., \$6 per 100, \$55 per 1,000.

FILIFOLIA IMPERATOR

Brilliant blue variety of the Spanish Iris type but larger flowering; yellow center; splendid for forcing; quite similar to Tingitana. \$1 per doz., \$8 per 100, \$75 per 1,000.



Spanish Iris

IRIS TINGITANA

A cross between the Spanish and Dutch Iris and, without a doubt, the finest early-flowering bulbous sort. Commercial florists force them in bloom early in January when they make a beautiful cut-flower. The color is a rich, deep blue. \$1.25 per doz., \$9 per 100, \$85 per 1,000.

The two varieties of Iris Bulbs offered on this page most suitable for outdoor planting for cut-flowers are the Spanish and Dutch. It is advisable to plant both, as the Dutch come into flower most seasons about ten days earlier.

Miscellaneous List of Bulbs, continued

IXIAS

The Ixia is a beautiful little winter-flowering bulb, with long, slender, graceful spikes of bloom. The colors are rich, varied and beautiful, the center always differing in color from the other parts of the flower, so that the blossoms, expanding in the sun's rays, present a picture of gorgeous beauty. Very desirable for pots.

	Doz.	100
Althæa. Large; white, with purplish carmine eye....	\$0 85	\$6 00
Aurantiaca major. Golden yellow, with large dark eye.....	85	6 00
Craterioides major. Bright scarlet; very early; forces well.....	1 30	10 00
Hubert. Deep maroon; very beautiful.....	70	5 00
Finest Mixed	50	3 50

ORNITHOGALUM

Arabicum (Star of Bethlehem). Very desirable for pot culture in the window-garden. The flowers are large, pure white, with a black center; borne on a tall spike. 70 cts. per doz., \$5 per 100.

Umbellatum (American Star of Bethlehem). Used for naturalizing. 40 cts. per doz., \$3 per 100, \$25 per 1,000.

OXALIS

An unrivaled winter-flowering pot-plant of the easiest culture, succeeding with everybody

This is one of the finest flowering plants for pot culture that we have ever seen; it is such a strong, luxuriant grower that five or six bulbs will be sufficient for a 6- or 8-inch pot. Place in a dark, cool position for several days to root thoroughly, and remove to a sunny situation in the window or conservatory in a temperature of about 60 degrees Fahr., and the great profusion of bloom produced in uninterrupted abundance for weeks will astonish and delight you.

Large-Flowering. We have a very fine strain of these Oxalis. Flowers are large, and they may be had in blossom, by successional plantings, from October until May. We have five colors—Red, Yellow, Pink, White, and Lavender. 50 cts. per doz., \$3.50 per 100.

PUSCHKINIA scilloides

A hardy bulbous plant of great beauty; flowers white striped with pale blue, on spikes. It succeeds well in pots for winter blooming, and is admirably adapted for edgings and forming patches in front of mixed borders, flowering in April and May. Height, 4 to 8 inches. 50 cts. per doz., \$3.50 per 100.

RANUNCULUS

The bulbs of Ranunculus resemble tiny clumps of dahlia roots. They look as much like spiders as anything. The flowers are extremely double, almost globular, regular in outline, often exceed 2 inches in diameter, and are to be had in all the colors except blue. The colors are bright, clear, and pure.

CULTURAL DIRECTIONS

Here are cultural directions by a man who has scored a success with them: "The roots usually arrive in October and are better if placed in the soil as soon as time will permit, although it will not harm them seriously if they are packed away in dry sand in a cool shed or cellar for some weeks. Pots, pans, flats, or benches may be used for growing Ranunculuses, but flats and benches give me the most satisfactory results. I have had good success by using flats 5 inches deep, planting the roots in late October, then placing in coldframes and covering with dry leaves on the approach of severe weather, protecting sufficiently to exclude frost, and housing the flats from the early part of February onward.

"The compost used is light but tolerably rich, consisting of three parts loam, one part leaf-mold, one part old, well-decayed manure passed through a 1/2-inch screen, and a generous dash of sharp sand. The flats should be well drained.

"For those growing a limited number, flats are to be recommended, but where bench space will permit, the roots can be planted out 4 to 5 inches apart each way.

"A violet temperature, 40 to 45 degrees at night, is just what Ranunculuses need, and, as they do not make a heavy growth which shades the violets appreciably and do not impoverish the soil, this method of culture can with confidence be recommended.

"In a poorly drained bed or bench many Ranunculus roots will rot; but given suitable porosity to allow water to pass away readily, any florist can grow these pretty spring flowers creditably. Strong fumigation where they are growing should be avoided. Occasionally green aphids may attack the foliage, but light fumigation will readily control this. If the plants turn yellow it is a sign of overwatering, poor drainage, too high temperature, or a combination of the three."

Grootvost. Fine carmine.

Hercules. Pure white.

Merveilleuse. Fine rich yellow.

Romano. Fine scarlet.

Viridiflora. Scarlet, greenish center.

50 cts. per doz., \$3.50 per 100, \$30 per 1,000

SCILLAS (Wood Hyacinth, Siberian Squill, or English Bluebell)

Campanulata (Wood Hyacinth)

Bears spikes, 15 inches high, of bell-like flowers, during early May. Plant 5 or 6 inches deep in shady situations. Very effective for borders; will grow under fir or pine trees.

Alba maxima. Clear white, with very fine, large bells. 85 cts. per doz., \$6 per 100.

Blue Queen. Erect spikes of porcelain-blue flowers; strong grower. 85 cts. per doz., \$6 per 100.

Excelsior. Bright deep blue, with large bells. 85 cts. per doz., \$6 per 100.

Rose Queen. Bells of soft lilac-rose; very pretty. 85 cts. per doz., \$6 per 100.

Scilla Sibirica (Siberian Squill)

Spikes 3 to 4 inches high, of small, drooping, bell-like flowers. Fine for massing in borders or naturalizing. Plant 3 to 4 inches deep. Blooms in April.

Blue. Splendid for massing. Jumbo bulbs, 85 cts. per doz., \$6 per 100.

White. A variety sometimes used for interspersing with the blue sorts. \$1 per doz., \$7 per 100.

SNOWDROPS

These elegant little flowers, the first to open in spring, should be found in every garden, not only because they are the earliest spring flowers, but because they are the loveliest. The Snowdrop thrives in almost any situation or soil, and should be planted as early in the autumn as possible, as they suffer much if left long out of the ground.

	Doz.	100	1,000
Single Snowdrops. Selected bulbs.....	\$0 50	\$3 50	\$30 00
Double. Selected bulbs.....	60	4 00	35 00

SPIREA November delivery

This beautiful pot plant, usually grown by the florist for Easter, we are able to offer in three named varieties, in clumps suitable for growing in 6-inch pots.

Gladstone. Large spikes of pure white flowers, borne on strong stems 18 inches high.

Queen Alexandra. A popular variety on the order of Gladstone, but of a pale pink color.

Peach Blossom. A very lovely shade of peach-blossom pink. A very free-flowering variety.

Strong Clumps of any of the above 3 varieties, \$1 each, \$10 per doz., \$75 per 100

TRILLIUM GRANDIFLORUM

(Great American Wood Lily)

This is one of the most beautiful American plants, perfectly hardy, growing and flowering profusely in partially shady nooks about the lawn, under trees, etc. The flowers are large, of the finest white, changing in a few days to soft rose; if grown several in a pot, it makes one of the best white winter flowers. \$3 per doz., \$20 per 100.

TRITELEIA (Spring Star Flower)

Uniflora violacea. A perfect little gem for pot culture. It flowers in the early spring months. The bulbs are small and several should be grown in a pot. It grows about 6 to 8 inches high, each bulb producing several pretty star-shaped flowers of a delicate violet-blue which emit the perfume of primroses. They are perfectly hardy, and when grown in quantities in a sunny border or used for edging, they are very effective. 50 cts. per doz., \$3.50 per 100, \$30 per 1,000.

TUBEROSES

Double Excelsior Pearl. December delivery

This bulb, which is perhaps one of the best-known and appreciated for its fragrance, is usually planted in our latitude in the spring for summer blooming. We frequently, however, are asked to supply these by some of our patrons who desire to start them in greenhouses or in frames. We are usually able to get dormant bulbs late in December and can supply for those who wish to have them in flower during the early spring month.

	Each	Doz.	100
First-Size Bulbs.	\$0 10	\$1 00	\$6 00
Mammoth Bulbs.	15	1 50	10 00

GERMAN IRIS (*Iris germanica*)

The true "Fleur-de-lis," the national flower of France, and one of the most desirable early spring-flowering plants. They are perfectly hardy, grow and bloom luxuriantly in late May and early June.

Special Novelty Offering

Several years ago we planted in our grounds the following twelve new varieties of this wonderful family of Iris. Every one of the varieties is a gem of the first order. They should be added to any collection, however rare.

ALCAZAR. Standards lavender; falls deep purple; stamens lavender center, edged yellow; beard orange.

ARCHEVEQUE. Standards reddish purple; falls rich purple; stamens violet-blue; beard orange.

CANDELABRA. Standards lavender; falls white, veined with lavender; stamens lavender, edged yellow; beard orange.

CATERINA. The entire flower is a clear, even shade of lavender-blue; beard bronze.

CHERUBIM. Standards lavender, speckled purple; falls purple, veined white; stamens white; beard golden yellow.

JEANNE D'ARC. Standards and falls pure white, edged with pencilings of light blue; stamens edged white; pale orange beard.

LOUTE. Standards violet; falls rich purple; stamens violet, shaded white; beard orange.

NUEE D'ORAGE. Standards lavender, edged dull bronze; falls violet-purple; stamens lavender, edged yellow; beard orange.

ORIFLAMME. Standards lavender-blue; falls reddish purple; stamens lavender; beard orange.

PARISIANA. Standards mottled lavender; falls white, edged lavender; stamens lavender, yellow tinge; beard orange.

PROSPER LAUGIER. Standards bronze; falls crimson-purple; stamens lavender, edged yellow; beard yellow.

TAMERLANE. Standards lavender; falls lavender-blue; stamens lavender; beard orange.

The above collection, 1 each of 12 varieties, for \$10. Price, any of the above varieties, \$1 each, \$10 per doz.

Five Newer Varieties

The following five varieties are of the latest introduction and are not only new in color but of better form.

KING OF IRIS. A very beautiful novelty. The flowers are perfect in form; the standards are of a clear lemon-yellow, falls deep satiny brown with a broad border of golden yellow.

LOHENGRIN. Foliage and flowers of gigantic size, with petals 2 inches wide. Standards and falls of a uniform shade of violet-mauve.

NIBELUNGEN. Standards fawn-yellow, falls deep violet-purple, with fawn margin; distinct and very pretty.

PAULINE. An unusually large flower; the standards and falls are a rich pale pansy-violet. This variety has a decided perfume. A recent introduction which should find a place in every garden.

RHEIN NIXE. Standards pure white; falls deep violet-blue, with white margin. A very tall grower and of splendid form. A very charming and rather scarce variety.

The above collection, 1 each of 5 varieties, \$2. Price, any of the above varieties, 50 cts. each, \$5 per doz.

JAPANESE IRIS (*Iris Kaempferi*)

The Japanese Iris usually flower after the German. They are much admired on account of their variety of color and large size. We offer twelve of the finest distinct varieties that we know of. They have been selected by us from a large collection of best named sorts. Six-petal varieties are termed double; three-petal varieties, single.

Amethyst. (Single.) Immense, wide-spreading flowers of fine substance. Color, light lavender or amethyst. 35 cts. each, \$3.50 per doz.

Azure. (Double.) Immense flower; exquisite, wavy; mauve blue with darker halo surrounding the yellow blotch at the base of the petals. 60 cts. each, \$6 per doz.

Gold Bound. (Double.) Tall and showy with flowers of enormous size, probably the most beautiful of all. Pure white with large gold-banded center. 35 cts. each, \$3.50 per doz.

Kamata. (Single.) Large-flowering and of deepest sky-blue. 60 cts. each, \$6 per doz.

Mahogany. (Double.) Dark red, shaded maroon. 35 cts. each, \$3.50 per doz.

Mount Hood. (Double.) Light blue, shaded darker. 35 cts. each, \$3.50 per doz.



Select Standard Varieties

ALMONEA ALBA. A very pretty white variety with pale blue veins.

ASIATICA. The standards are broad, in color a medium purplish blue, veined brown at the base. The falls are a dark purple-maroon delicately veined at the base. The flower is full, large, and very effective. Asiatica is a midseason bloomer.

CANARY BIRD. Very lovely. Standards and falls pale yellow.

FLORENTINA. An early variety, delicately perfumed. It is a creamy white, faintly flushed lavender.

FLORENTINA ALBA. An excellent variety for cutting, blooms early. Waxy white, tinged lilac. A fine variety for massing with blues. The orris-root variety of commerce.

HONORABILIS. Standards golden; falls rich mahogany-brown.

MME. CHEREAU. Pure white, edged with azure-blue; falls white, frilled clear blue. One of the most beautiful varieties.

ODORATISSIMA. Pale blue.

PURPLE KING. Falls purple; very effective variety.

RUBENS. Brown; very effective in the garden.

Price, any of the above, and all varieties mixed, 20 cts. each, \$2 per doz., \$15 per 100

Nightfall. (Single.) Very dark purple-blue, with iridescent luster. Richest color of any Iris. 75 cts. each, \$7.50 per doz.

Norma. (Double.) An exquisite silky lavender-pink, with clear blue disc and yellow spot at the base of petals. Very fine and a long step towards a pink. 50 cts. each, \$5 per doz.

Pink Progress. (Single.) Just like Norma, except it is single. 50 cts. each, \$5 per doz.

Red Riding Hood. (Single.) Fine amaranth, veined white. 35 cts. each, \$3.50 per doz.

Templeton. (Double.) Light violet shade, mottled reddish pink and white. Often triple; exceedingly fine in form. 35 cts. each, \$3.50 per doz.

Victor. (Double.) White, veined purple, violet-purple center. 35 cts. each, \$3.50 per doz.



HERBACEOUS PEONIES

Peonies rank among the most beautiful of all hardy perennials, and no garden is complete without their charming influence. The popular interest in many parts of the world has brought a very gratifying improvement in the Peony. In the newer sorts gigantic flowers have been produced, reaching, in many instances, the large size of 7 to 9 inches in diameter and 5 to 6 inches in depth, with strong, stiff stems $2\frac{1}{2}$ to 3 feet long. The permanency of Peonies should especially recommend them to your favor; for, once planted in suitable soil, they will continue to grow better and larger each year. A situation well open to the sun suits them best but they thrive in partial shade also.

Culture.—The culture of Peonies is quite simple. They require a good, deep, rich soil and an abundant supply of water during the growing season. When enriching the ground, the use of too much fresh manure near the roots should be avoided. The main point to observe is, while the ground should be well spaded and cultivated, **not to plant the roots too deep.** The roots should be planted so that the eyes are barely covered (about 1 to 2 inches). Too deep planting is the cause of shy flowering.

Size of Roots.—The roots we offer have been grown two years from root divisions. If planted during September or October these roots should become well established and give some flowers the following year.

CHARLEMAGNE. (Crousse 1880.) Very compact; large, globular, rose type; lilac-white with a slight blush center; fragrant. Medium tall; strong stems; free bloomer. Late. Extra. Buds have the fault of many of the late, very compact varieties of developing slowly, and in warm rainy weather are liable to become water-logged. **50 cts. each, \$5 per doz.**

CLARISSA. Rosy pink, inner petals sulphur. A very free-flowering variety. **50 cts. each, \$5 per doz.**

COURONNE D'OR. (Calot 1872.) Large, flat, semi-rose type; pure white, with a ring of yellow stamens around a tuft of center petals, tipped with carmine. Medium tall; splendid grower; free bloomer. Late. One of the best white varieties. **75 cts. each, \$7.50 per doz.**

DUCHESSE DE NEMOURS. (Calot 1856.) Medium size; pure white crown, sulphur-white collar, no crimson flecks; fragrant. Vigorous grower; medium height; very free bloomer. Early. Extra good commercial variety. Two days later than Festiva Maxima. **60 cts. each, \$6 per doz.**

DUKE OF WELLINGTON. (Calot 1859.) Large; bomb type, with white guards and sulphur center. Medium tall; vigorous grower; free bloomer. Late. **60 cts. each, \$6 per doz.**

EDULIS SUPERBA. (Lemoine 1824.) Large; loose, flat crown; bright mauve-pink collar mixed with narrow lilac. Early. Strong, upright; free bloomer. One of the best commercial pinks for Decoration Day. **50 cts. each, \$5 per doz.**

FELIX CROUSSE. (Crousse 1881.) Large; globular; typical bomb; brilliant red. Strong, vigorous grower; medium height; free bloomer. One of the best reds. **75 cts. each, \$7.50 per doz.**

FESTIVA MAXIMA. (Mieliez 1851.) Very large; globular, rose type; pure white center, prominently flecked crimson, outer petals sometimes faint lilac-white on first opening. Very tall, strong, vigorous grower. Early. The most popular white variety for cut-flowers. **50 cts. each, \$5 per doz.**

FRANCOIS ORTEGOT. (Parmentier 1850.) Dark amaranth-red. Loose; medium height. Midseason. **50 cts. each, \$5 per doz.**

GRANDIFLORA ROSEA. (Guerin 1850.) Light rose; outer petals very large, inner smaller and bunched. Vigorous grower. **50 cts. each, \$5 per doz.**

LA SUBLIME. (Parmentier 1850.) Bright rich crimson; fragrant. Tall; very fine. **50 cts. each, \$5 per doz.**

LA TULIPE. (Calot 1872.) Very large; flat, semi-rose type; lilac-white, outer guard petals striped crimson; fragrant. Tall, strong grower; free bloomer. Late midseason. A good Peony on account of growth and general habit. **75 cts. each, \$7.50 per doz.**

LOUIS VAN HOUTTE. (Calot 1867.) Medium size; semi-rose type; deep carmine-rose, tipped silver, with fiery reflex—very brilliant coloring; fragrant. Medium height and habit. **50 cts. each, \$5 per doz.**

MME. CROUSSE. (Calot 1866.) Medium size; globular crown; pure white, center flecked crimson. Strong; medium height; free bloomer. Midseason. **50 cts. each, \$5 per doz.**

MONS. JULES ELIE. (Crousse 1888.) Very large; medium compact high crown; pale lilac-rose, collar lighter shaded amber-yellow at the base. Medium height; strong growth. Early. Extra. **\$1 each, \$10 per doz.**

OFFICINALIS ROSEA PLENA. Delicate pink; very early. Both this variety and Rubra Plena are very early and are known as the Decoration Day Peony. **50 cts. each, \$5 per doz.**

OFFICINALIS RUBRA PLENA. Large, globular bloom, brilliant crimson. This is the early-flowering red Peony so common to the old-time gardens. **50 cts. each, \$5 per doz.**

QUEEN VICTORIA. Whitley. Large full, compact bloom, with collar of flesh-white, fading to white, center petals flaked with red. Very strong grower; medium height; very free bloomer. The standard market variety for storage. **50 cts. each, \$5 per doz.**

RICHARDSON'S DORCHESTER. (1870.) Large, compact, rose type; pale hydrangea-pink. Fragrant. Medium dwarf; upright; free bloomer. **50 cts. each, \$5 per doz.**

RICHARDSON'S GRANDIFLORA. (1883.) Very large, flat rose type. Uniform rose-white. Tall, erect, strong grower. Very late. Perhaps the most valuable late variety of its color. **\$1 each, \$10 per doz.**

ROSA SUPERBA. Brilliant deep cerise-pink blooms; compact and perfectly formed. Healthy growth. Long stems. Midseason. **60 cts. each, \$6 per doz.**

Flower Seeds for Autumn Sowing

ANTIRRHINUM (Snapdragon)

Keystone. A clear rose-pink, without any trace of purple or white. Pkt. \$1.

Ramsburg's Silver Pink. We offer this very fine strain of Snapdragon in sealed packets direct from the originator. Pkt. \$1.

Nelrose. A very popular pink Snapdragon grown very extensively. The seed we offer has been grown for us under glass. Pkt. 75 cts.

TALL VARIETIES

	Pkt.	½ oz.
Giant Coral-Red. Very pretty and attractive shade.	\$0 10	\$0 60
Giant Blood-Red. Very beautiful shade.	10	60
Giant Yellow. Bright yellow.	10	60
Giant Queen Victoria. A very large white.	10	60
Giant Rose Dore. A lovely new shade, a pretty self-salmon-rose.	15	75

ASPARAGUS

Plumosus nanus. Graceful, fern-like foliage; grown extensively by florists for decoration. **Full Greenhouse Grown.** Pkt. 25 cts., 100 seeds \$1.

Sprengeri. Of more drooping and coarser habit; excellent for hanging-baskets. Pkt. 25 cts., oz. 75 cts.

BELLIS PERENNIS (Double Daisy)

Our strain of this popular flower is grown by a specialist in France, and for size cannot be excelled.

	Pkt.
Giant-flowering Pink.	\$0 25
Giant-flowering White.	25
Double Red, Quilled.	25
Double Selected, Mixed.	25

CALCEOLARIA

The strains of this beautiful decorative pot-plant are grown by a famous English Calceolaria specialist, and are the finest in existence.

	Pkt.
S. & W. Co.'s Giant Strain.	\$0 50
S. & W. Co.'s Giant Prize Strain.	50
Rugosa, Mixed. Shrubby. Small-flowering varieties for bedding.	50

CALENDULA OFFICINALIS FL.-PL.

(Pot Marigold)

	Pkt.	½ oz.	Oz.
Orange King. A very beautiful deep shade of orange-yellow. A splendid improvement on the variety Prince of Orange.	\$0 25	\$1 50	\$2 50
Lemon Queen. Pale yellow form of the above.	15	1 00	1 50

CALLIOPSIS

	Pkt.	½ oz.	Oz.
Drummondii (Golden Wave). Rich golden yellow.	\$0 10	\$0 75	\$1 25
Tinctoria marmorata. Marbled yellow and brown.	10	75	1 25

CANDYTUFT (Iberis)

	Pkt.	Oz.
Giant Hyacinth-flowered. Immense, pure white spikes; when grown in rows for cut-flowers best results can be obtained only by setting the plants at least a foot apart in the rows and 1½ feet between the rows.	\$0 15	\$2 00
Empress. Pyramidal, pure white.	10	1 00
Queen of Italy. Light pink.	10	75
Lilacina. Beautiful large-flowering lilac.	10	75
Crimson. Bright crimson-red.	10	75



Antirrhinum, Giant-flowering

CORNFLOWER (*Centaurea Cyanus*)

This favorite flower is frequently grown under glass for Christmas flowering. Sow in September.

	Pkt.	1/4oz.
Blue. Well-known blue.....	\$0 10	\$0 30
Rose. Delicate rose.....	10	30
White. Pure white.....	10	30
Double Blue. A variety largely used by commercial florists on account of its large-sized and double flowers.....	15	75

GIANT SWEET SULTAN (*Centaurea imperialis*)

Our strains of Sweet Sultans are grown by a great many florists and gardeners, and are pronounced *par excellence*. Splendid for forcing under glass.

	Pkt.	1/4oz.
S. & W. Co.'s Pure White. One of the best varieties for cutting; large and deliciously sweet-scented.....	\$0 15	\$0 50
Pink. Pink with white tinge.....	15	50
Lilac. Delicate lilac.....	15	50
Purple. Purple-rose.....	15	50
Rose. Brilliant deep rose.....	15	50

Four Fine Centaureas (For Greenhouse Growing)

The following four varieties are largely grown by florists during the winter months for cut-flowers.

	Pkt.	1/4oz.
Suaveolens. (Yellow Sweet Sultan.) Very showy, bright yellow flowers; sweetly scented.....	\$0 10	\$0 60
Odorata. Beautiful large flowers of light blue, deliciously scented.....	15	75
Odorata, Chameleon. Large flowers of pale sulphur-yellow, changing to rosy lilac.....	15	1 50
Marguerite (Giant White Cornflower). Flowers 4 inches across, purest white and very fragrant.....	10	75

CINERARIA

Seed should be sown from May to September where a succession is desired. When sown at this time, fine plants may be secured. The main point in the culture of Cinerarias is to secure as hardy a growth as possible with leaves of medium size. Seed may be transferred direct from seed-pans to thumb-pots. After planting, place in cold-frame facing north, if possible. As pots become full of roots, shift to larger ones until flowering size is reached.

S. & W. Co.'s Giant-flowering Mixed. This strain of Prize Cineraria is grown for us by a famous English seed specialist. The flowers seldom measure less than 3 inches in diameter, comprising the following colors: White, rose, flesh, crimson, blue, violet, etc. The plants are of a robust dwarf habit, which, with the mass of giant blooms makes this a valuable strain. Pkt. 50 cts.

Sky Blue, Dark Blue, Flesh-color, and White. Each, pkt. 50c.

S. & W. Co.'s Stellata. Delicate star-like blooms are borne in great profusion on long stems, giving this variety a double use, as it is excellent for cutting as well as decorative purposes; all shades.

Tall Mixed. Pkt. 50 cts.

Dwarf Mixed. Pkt. 50 cts.

GIANT-FLOWERING CYCLAMEN

The following varieties of Cyclamen seed are American-grown. They have been developed from the best of Continental and European strains.

Fairy Queen. A very large, magnificent, frilled white, with a crimson eye. Pkt. \$1, 100 seeds \$5.

Pride of Cincinnati. A semi-double salmon; very large and free-flowering; one of the finest of its color. Pkt. \$1, 100 seeds \$5.

Glory of Wandsbek. Light and dark shades of salmon. Pkt. 100 seeds \$0 50 \$3 50

Brilliant Red. Very large and fine..... 50 3 50

Christmas Cheer. Blood-red..... 50 3 50

Rosea superba. A very pretty shade of shell-pink. Large flower and excellent grower..... 50 3 50

Magnifica. Dark rose-pink; very fine..... 50 3 50

Victoria. White, tipped with pink, fringed edge..... 50 3 50

Daybreak. Delicate pink; very beautiful..... 50 3 50

Pure White. Very large..... 50 3 50

White, Pink Eye. Very large and fine..... 50 3 50

Lavender. Dark and light shades, very beautiful..... 50 3 50



Giant Sweet Sultan (*Centaurea imperialis*)

FORGET-ME-NOT (*Myosotis*)

Few spring flowers are more admired than the lovely Forget-me-not, which is especially effective for mass planting. It is perennial and hardy if given slight protection through the winter. Seed may be sown any time from spring until midsummer. The *Alpestris* varieties and *Dissitiflora* come into bloom in April, with the spring-flowering bulbs, etc. The *Palustris* sorts do not bloom till May, but continue till fall.

	Pkt.	1/4oz.
Alpestris, Royal Blue. Rich indigo-blue flowers. The finest and most effective dark blue variety; grows about 9 inches high.....	\$0 10	\$0 75
Alpestris robusta grandiflora. A strong, sturdy grower attaining a height of about 10 inches with good heads of clear Forget-me-not-blue flowers.....	10	75
Alpestris, Victoria. A favorite variety with fine heads of clear azure-blue flowers; plants bushy and compact. Makes a fine edging for beds.....	10	75
Alpestris, Mixed. A select mixture of the above.....	10	50
Dissitiflora. Of dwarf, compact habit with sprays of large, exquisite blue flowers, especially adapted for beds of late-flowering tulips, etc.....	15	2 00
Palustris semperflorens. An ever-blooming variety beginning to flower in May and continuing until autumn. Large, clear blue flowers in pretty sprays..	15	2 00
Ruth Fischer. The latest and said to be the finest and largest flowered Forget-me-not yet sent out, producing flowers up to 1/2 inch in diameter, of true Forget-me-not-blue; plants of strong, vigorous growth, of exceptional value for pot culture and spring bedding.....	5 pkts. \$1..	25

MIGNONETTE (Greenhouse-grown)

S. & W. Co.'s Triumph. This Mignonette is one of the choicest varieties for winter forcing. In type similar to Allen's *Defiance*, except that spikes are more compact and the individual florets are much larger in size. Seed of this grand variety is grown at our greenhouses, and is saved from the best spikes. Pkt. 50 cts.

Allen's Defiance. A popular variety for indoor culture. Very fragrant; fine for cutting. Pkt. 10 cts., 1/4oz. 50 cts.

STUMPP & WALTER CO.'S GIANT PANSIES

This very popular annual needs little description. Good results may be obtained from sowing seed in April in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine ground bone. Sow seed in drills, covering them five times their diameter, and firm soil. Water once a day, except in very dry weather, when they may be watered twice a day. Seed will germinate in about two weeks and should not be allowed to dry out. A small covering of newspapers will prevent drying out. When plants are large enough to handle, transplant to a distance of 1 foot apart. Where greenhouse and coldframe facilities are at hand, sow in July or August and protect plants during winter.

Pansies in Mixture

Our Pansy Mixtures are prepared in our Flower Seed Department by an expert who has a thorough knowledge of the finest sorts extant, and is done in a very careful manner. Our Pansies have been grown throughout the United States, by leading florists, many of whom have repeated their order every year, thereby giving their unqualified indorsement to our famous strain.

S. & W. Co.'s Exhibition Strain. This mixture of Giant Pansies has been prepared of the finest varieties grown; blooms of gigantic size, splendid texture; the plants of robust constitution hold their majestic blooms well above the foliage. Every conceivable color and combination of colors has been included. Pkt. 25 cts., 1/4oz. \$3, oz. \$10.

Non Plus Ultra. A mixture of Pansies designed for the critical buyer who desires his beds to look of uniform quality, giving every conceivable color and combination of colors that exists in this highly meritorious flower. Pkt. 20 cts., 1/4oz. \$2, oz. \$7.50.

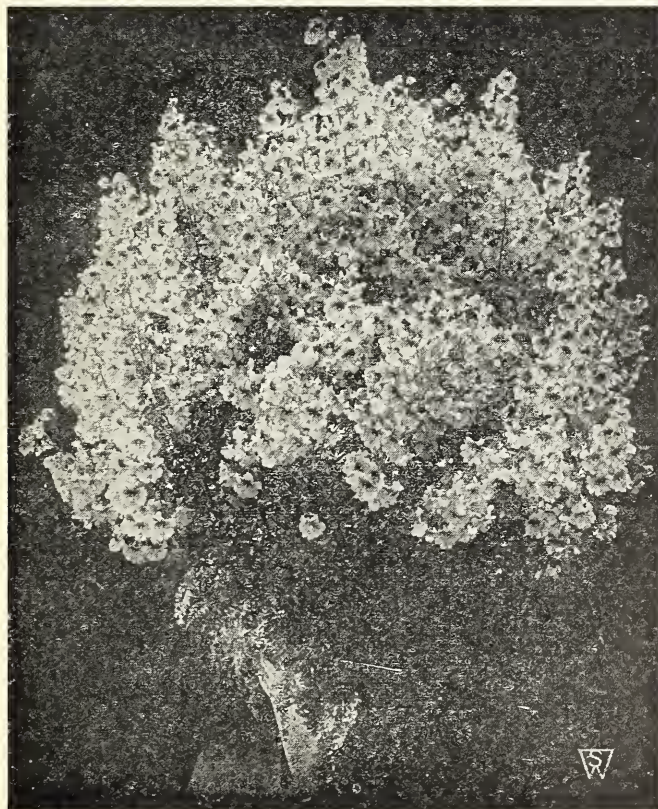
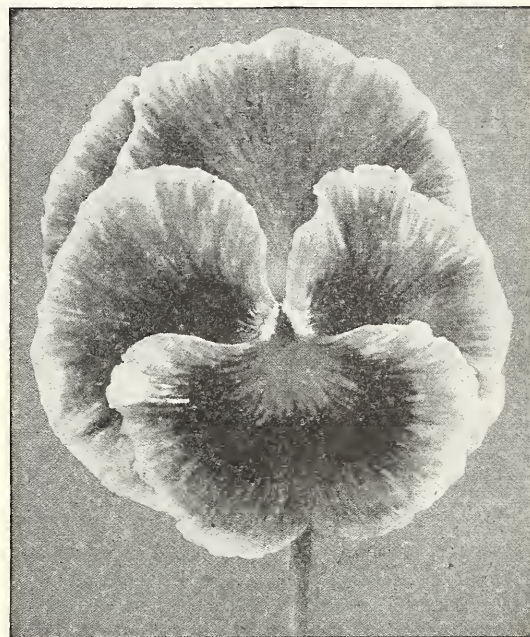
Masterpiece (Frilled Pansy). A remarkable type, each petal being conspicuously curled or waved. The color range is quite extensive, the rich, dark, velvety shades predominating. Pkt. 25 cts., 1/4oz. \$2, oz. \$7.50.

Cassier's Giant. A grand mixture of the finest blotched varieties; very large in size and rich in coloring. Pkt. 20 cts., 1/4oz. \$2, oz. \$7.50.

Mme. Perret. A new and beautiful strain, originated with a French specialist; flowers of large size, borne very freely in a great diversity of colors, especially rich in red and wine shades. Pkt. 20 cts., 1/4oz. \$2, oz. \$7.50.

S. & W. Co.'s Special Mixed. Pkt. 10 cts., 1/4oz. \$1, oz. \$3.50.

Finest English Mixed. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.



Schizanthus wisetonensis

Giant Pansies in Separate Colors

	Pkt	1/4oz.	Oz.
Giant Adonis. Soft lavender-blue.....	\$0 15	\$1 50	\$5 00
Giant Azure-Blue.	15	1 50	5 00
Giant Dark Blue. Deep blue.....	15	1 50	5 00
Giant Fire King. Mahogany and gold.....	15	1 25	4 00
Giant King of the Blacks. Black.....	15	1 50	5 00
Giant Lord Beaconsfield. Violet-blue.....	15	1 50	5 00
Giant Purple.	15	1 50	5 00
Giant Snow-White.	15	1 25	4 00
Giant White. Dark eye.....	15	1 50	5 00
Giant Pure Golden Yellow.	15	1 50	5 00
Giant Yellow. Dark eye.....	15	1 50	5 00

SCHIZANTHUS

Butterfly or Fringe Flower

These dainty plants are of easy culture in any good garden soil. They are also useful as pot-plants for spring flowering, the seed being sown in early fall and the plants kept in a light house and given plenty of room as they need it.

S. & W. Co.'s Hybrids. We have arranged with a specialist in Europe to grow for us this greatly improved strain of Schizanthus. The individual flowers are quite the largest we have seen. The color range is quite wide, splendid forms of pink, white, rose, brown, blues, and dark grounds. Pkt. \$1, 6 pkts. \$5.

Garaway's Hybrids. A splendid strain having graceful fern-like foliage and bearing a profusion of large flowers, all with handsome markings on white, buff, brilliant rose, rich blue, brown, and black grounds. Seed sown in August and September will make fine plants for winter and spring flowering. Pkt. \$1, 6 pkts. \$5.

Wisetonensis. A variety largely used as a pot-plant for the house or conservatory. It is remarkably free-flowering and presents a beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with delicate rose. Pkt. 25 cts., 5 pkts. \$1.



Six vases of Winter-flowering Spencer Sweet Peas, shown by William Vert, of the Howard Gould Estate, Port Washington, L. I., at the March exhibition of the International Flower Show, New York City, 1917, which won first prize. Seed supplied by us

NEW EARLY or WINTER-FLOWERING SPENCER SWEET PEAS

We have great pleasure in offering to our patrons a very complete list of Early or Winter-flowering Spencer Sweet Peas. Many of our patrons grew them under glass last fall and produced wonderful results. This, however, is not the only reason Sweet Pea growers have worked to produce the large-flowering strain of Sweet Peas to flower early. This new race of Early-flowering Spencer Sweet Peas are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, Japan, Australia, as well as all tropical or subtropical countries, this strain of Early-flowering Spencers, if sown during the early fall months, will produce flowers during the winter and continue until killed by the extreme heat. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

The number of varieties of Early-flowering Sweet Peas that are now being offered has become so numerous that we have been obliged to make a careful survey of the kinds that are distinct in their color and also those that do best in the various parts of this country. The following list, we feel, covers this need quite well.

The expression *Early* before each variety is used so as to avoid these new varieties being confused with the late-flowering varieties.

All packets contain 50 seeds each

Early All White. The largest white-seeded pure white; vigorous grower. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Amethyst. Royal purple; medium grower. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Asta Ohn. Lavender-mauve; medium grower. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Aviator. Best Christmas red. Pkt. 25c., 1/2oz. 85c., oz. \$1.50.

Early Blanche Ferry. Identical in color to the popular late-blooming pink-and-white variety. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Blue Bird. The finest Wedgwood blue; throws a small percentage of dark blue rogues, but grows more vigorous than any other blue, fully a foot higher. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Blue Jacket. Rich deep navy blue. Pkt. 25c., 1/2oz. 60c., oz. \$1.

Early Canary Bird. Rich canary-yellow. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Cream. Best pale yellow. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Columbia. One of the finest of recent introductions. An improved Blanche Ferry, with a deeper rose standard and whiter wings. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Glitters. One of the finest of its color—bright cerise. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Grenadier. Best dazzling scarlet. Pkt. 50c., 1/2oz. \$1.75, oz. \$3.

Early Hercules. Beautiful large rosy pink flowers; vigorous grower; will continue to produce flowers when all others are out of season. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Irene. Finest clear lavender. Pkt. 25c., 1/2oz. 85c., oz. \$1.50.

Early Lavender King. Rich lavender. Pkt. 25c., 1/2oz. 60c., oz. \$1.

Early Madonna. The best black-seeded white variety; easy to germinate, and better than Mrs. Spanolin. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Morning Star. Orange-salmon. Pkt. 25c., 1/2oz. 60c., oz. \$1.

Early Mrs. Kerr. Best salmon-pink. Pkt. 40 cts., 1/2oz. \$1.25, oz. \$2.

Early Rose Charm. Large; bright rose-pink. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Early Rose Queen. A popular shade of rose-pink. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Snowstorm. Very good white, vigorous grower. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Spring Maid. Light pink on cream ground. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early True Blue. Light violet-blue. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Venus. Standards white, slightly flushed pink wings. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Wedgwood. This is a fine light blue, but not as early as Blue Bird. Pkt. 25 cts., 1/2oz. 60 cts., oz. \$1.

Early Yarrow. Vigorous grower. This is still considered among the good pink varieties. Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1.

Zvolanek's Rose. The finest novelty of recent introduction; by all odds the finest rose-pink. Pkt. 25 cts., 1/2oz. 85 cts., oz. \$1.50.

Winter-flowering Beauty Stocks

A magnificent, recently developed strain of early-flowering Winter or Brompton Stocks, forming much-branched plants about 2 feet high, and having numerous spikes of very large, double, delightfully fragrant flowers; they are of special value as pot-plants for greenhouse decoration and for cutting during the dull winter months; for this purpose seed should be sown from July to September.

	Pkt.	1/2oz.	Pkt.	1/2oz.
Almond Blossom. White, shaded carmine.....	\$0 25	\$1 00	Mont Blanc. Purest white.....	\$0 25 \$1 00
Beauty of Nice. Delicate pink.....	25	1 00	Monte Carlo. Canary-yellow.....	25 1 00
Crimson King. Rich blood-crimson.....	25	1 00	Queen Alexandra. Beautiful lilac.....	25 1 00
			Summer Night. Rich deep blue.....	25 1 00

Vegetable Seeds for Autumn Planting

BEANS

S. & W. Co.'s Wonder. The finest forcing Bean. Of good color, fine flavor and everything that can be expected in a good table Bean. One of our customers says regarding this Bean: "The Beans you gave me to try are a wonder. I sowed them February 3, in a solid bed without bottom heat, and picked from them March 20. The Beans average 5 to 6 inches, the vine is a very abundant bearer, and as for eating, I think it is the best Bean I have ever eaten." $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.15, 5 lbs. \$2.85, 15 lbs. \$8.45.

Masterpiece. We offer the true strain of this fine English variety, carefully grown by experts under our supervision. Masterpiece is of splendid constitution, a quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. As a quick grower under glass, Masterpiece is difficult to beat. Bean thick-flat. $\frac{1}{2}$ lb. 55 cts., lb. \$1, 2 lbs. \$1.90, 5 lbs. \$4.75, 15 lbs. \$14.15.

BEET

Detroit Dark Red. Extended experience has shown that this Beet comes nearer the ideal than any. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

CARROTS

Early French Forcing. The earliest variety and the one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. Per pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.



Early Scarlet Globe and French Breakfast Radishes

CORN SALAD

Large-leaved. Tested seed of high vitality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

CRESS, or PEPPER GRASS

This is sown frequently throughout winter months in succession, and is a very popular salad. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

CUCUMBER (English Forcing Varieties)

S. & W. Co.'s Improved Telegraph. A very dark green type of Telegraph Cucumber, which we have found, from our trials, to be superior to all other Telegraph varieties. Pkt. (10 seeds) 25 cts.

S. & W. Co.'s Forcing White Spine. This is a particularly refined type of the well-known outdoor White Spine. It is similar in appearance, but is larger. It grows freely under glass, and its advantage over Telegraph and similar forcing types is that it bears earlier, is more prolific, and is more robust. Pkt. (20 seeds) 25 cts.

LETTUCE

May King. One of the best early varieties for planting in the open ground or under glass. It is rapid in development; tender, large size, outer leaves well folded in. The heads are of a clear, light green, the outer leaves slightly tinged brown and the heart clear yellow; delicately flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.50.

Grand Rapids Forcing. An excellent loose-headed variety of superior table quality. Adapted to open-air culture or forcing in frames or greenhouses. The leaves are finely cut and of a beautiful pale green. Plants may be set quite closely together. Large heads and of delicate flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.50.

MUSKMELON (Frame or Greenhouse Varieties)

Royal Jubilee. A splendid, oval, green-fleshed melon, raised at the Royal Gardens, Windsor. Skin almost white, handsomely netted. Pkt. of 25 seeds, 50 cts.

Blenheim Orange. Pkt. 25 cts.

MUSTARD

White London. The best variety for salads; the seed is also used medicinally and as a seasoning for pickles. Oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

RADISH

Sparkler. Of rich carmine-scarlet color, with a very pronounced tip of the purest white. The roots, even when fully developed, are solid, crisp and sweet, and remain fit for use as long as the coarser kinds. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

Early Scarlet Globe. Of distinct shape, brilliant color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

French Breakfast. A favorite sort; mild and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.

SPINACH

S. & W. Co.'s New York Market. This Spinach grows rapidly and produces unusually large, thick, crumpled leaves. The best in flavor and the leaves are very tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

S. & W. Co.'s Savoy-leaved. A variety highly valued alike by market-growers and home-gardeners. The leaves are wrinkled and crumpled, resembling, to an extent, the Savoy cabbage. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

TOMATO (For Forcing)

S. & W. Co.'s Best of All. Pkt. 15 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Sunrise. A fruit of fine quality, medium in size, perfectly round, and produced in characteristic long clusters. It is considered by many growers to be the best indoor Tomato grown, and the best outdoor variety where a small "whole-salad" type of fruit finds favor. Sunrise has won many awards and prizes. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Comet. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Stirling Castle. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Ideal Forcing. Pkt. 25 cts. **Stamford Beauty.** Pkt. 25 cts.

POT-GROWN STRAWBERRY PLANTS

We offer a complete list of best varieties of Strawberry Plants which can be supplied up to September in 2 1/4-inch pots. Circular on request.



Stumpp & Walter Co.'s Pot-grown Strawberry Plant

SPECIAL OFFER

Extra-Strong Stock, from 3-inch pots

Early Jersey Giant
Chesapeake
William Belt

Marshall
Joe

\$14 per 100, \$33 for 250, \$130 per 1,000

Standard and Half Standard Roses

For Easter Forcing in Pots

We have arranged for the following varieties of Roses to be grown by a leading American rose-grower. We visited his place this summer and found the quality very good. Standard Roses are grown on 4-foot stems; half standards on 2-foot stems. They are splendid specimen plants for forcing in the greenhouses for Easter flowering.

STANDARDS, 4-ft. stems, \$3.50 each, \$35 per doz.

Columbia. Rose-pink; delightfully fragrant.
Frau Karl Druschki. Pure white; large flower.
Indiana. Bright pink; free bloomer.

Los Angeles. Coral-pink.
Mrs. Aaron Ward. Deep Indian yellow.
Jonkheer J. L. Mock. Pale pink, reverse of petals deep pink.

HALF STANDARDS (Baby Ramblers), 2-ft. stems, \$3 each, \$30 per doz.

Miss Edith Cavell. Brilliant red.
Ellen Poulsen. Dark, brilliant pink.

Greta Kluis. Pleasing pink; ball-like flowers.
Rodhatte. Very clear red. One of the best.

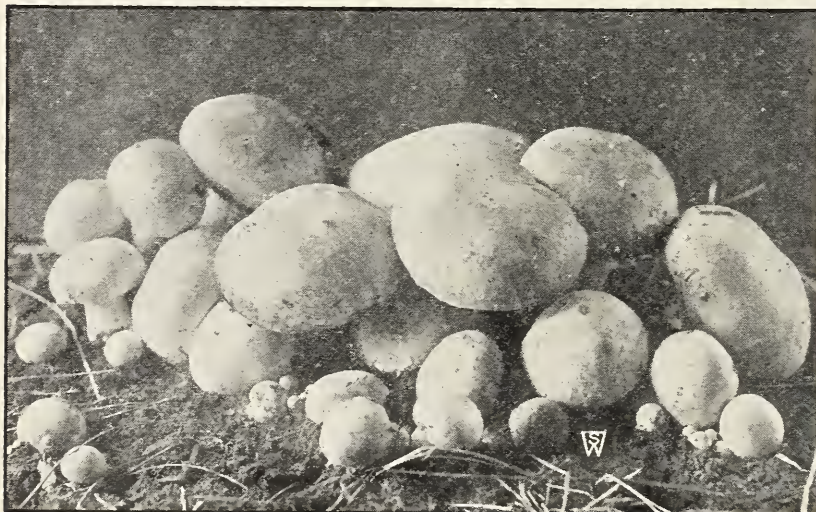


Standard Frau Karl Druschki

MUSHROOM SPAWN

Ten bricks will spawn
10 feet square

CULTURE.—"I have the fresh horse droppings saved until a sufficient quantity accumulates to fill the beds, occasionally turning the manure and watering it slightly if it appears not to be moist enough. Then I leave the mass for three days, after which I again turn it, adding more water if necessary. After turning, I firm the manure, and in three days again repeat the operation. The most particular part is to get the manure moist enough and yet not too moist. After the second turning the manure is generally ready for the bed. My beds are only 10 inches in depth. I press in the manure very firmly, and cover slightly with salt hay or straw, which tends to retain the moisture in the bed. When the temperature of the bed drops to 85°, I insert 'Pure Culture' Spawn in pieces about the size of an egg, 1 foot apart one way and 9 inches the other. I insert the Spawn just deep enough to cover with a little manure. I keep the temperature of the house between 55° and 60°, and occasionally dampen the walls, etc., as required; also occasionally 'dew' over the hay covering the bed with warm water. If the Spawn runs properly, a white, frothy substance will be observed in about ten days or two weeks. I then remove the hay and cover with one-inch thickness of sifted soil, preferably good pasture loam, firming it down. Mushrooms will generally appear in from six to eight weeks. I always have a little finely sifted soil on hand, and fill all the holes up after gathering the Mushrooms—that is, the holes made by removing the stalks. With good care the bed will last three months. Should it appear dry, water thoroughly with water heated to 90°, in which a pinch of nitrate of soda dissolved will be found very beneficial. In conclusion, I may say I think most of the failures in mushroom-growing arise from the manure being too dry."—JOSEPH ROBINSON.



Bed of S. & W. Co.'s Pure Culture Mushroom Spawn

American Pure Culture Spawn

Ten pounds will spawn 10 square feet

This type produces larger Mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen Mushrooms, and is propagated and transferred to the bricks of manure, which, when planted, produce Mushrooms all of one type.

Per Brick (about 1 1/2 lbs.) 35c. **Per 10 Bricks, \$3.25.**
Per 25 Bricks, \$7. **Per 100 Bricks, \$25.**

English Mushroom Spawn. As most growers of Mushrooms recognize the superiority of the American Pure Culture over the English, we have decided to discontinue handling the latter.



Tennis Court

S. & W. Co.'s Grass Seed Mixtures

Produce Lawns which are Pleasing in Color,
Perfect in Texture, and they "*Staigreen*"
in spite of hard use.

PRICES

Following delivered Anywhere in the U. S.

Staigreen Lawn Mixture: for carpet-like turf	Lb.	2½ lbs.	5 lbs.	12½ lbs.	25 lbs.	100 lbs.
	\$0.60	\$1.40	\$2.75	\$6.50	\$12.75	\$50.00
	Qt. 4 qts. 8 qts. Bus. 10 bus.					
Shady Place Lawn Seed	\$0.50	\$1.75	\$3.25	\$12.00	\$115.00	
Tennis Court Grass Seed	.50	1.75	3.25	12.00	115.00	
Terrace Sod Lawn Seed	.45	1.75	3.25	12.00	115.00	

Quantity to Order

One pound sows 20 ft. x 20 ft. (400 sq. ft.) 100 pounds sow 1 acre
One quart sows 15 ft. x 15 ft. (225 sq. ft.) 4 bushels sow 1 acre

Double these quantities when turf is needed quickly

To Repair Turf that is worn and jaded, use one-half these quantities

	Oz.	¼ lb.	Lb.	10 lbs.	100 lbs.
White Lawn Clover	\$0.10	\$0.25	\$0.65	\$6.00	\$50.00

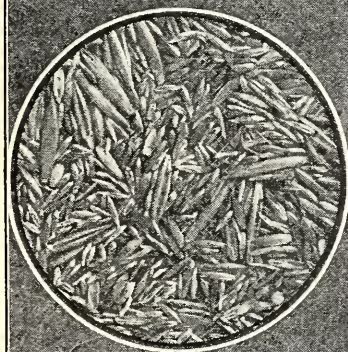
Following shipped at Purchaser's Expense

Emerald Lawn Dressing

A concentrated Grass Food. Scatter 10 pounds on an area
of 300 square feet: 1,000 to 1,500 pounds to the acre.
Use two-thirds these quantities for renovating.

5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	Ton
\$0.40	\$0.75	\$1.50	\$2.75	\$5.25	\$24.00	\$70.00

Staigreen



Shady Place



Terrace Sod



No. 17 Putting-Green, Hollywood Golf Club.
Stumpp & Walter Seeds used.

Stumpp & Walter Co's GRASS SEEDS FOR GOLF COURSES



No. 4 Putting-Green, Deal Golf Club.
Stumpp & Walter Seeds used.

Putting-Green Seeds

Standard Putting-Green Mixture. 75 cts. per lb., \$3.50 for 5 lbs., \$16 for 25 lbs., \$60 per 100 lbs.

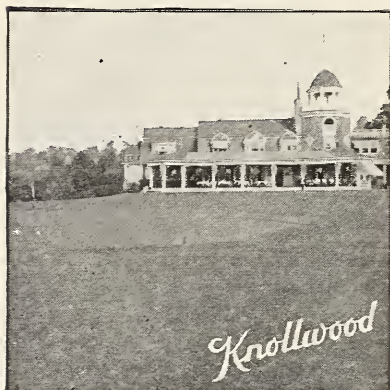
Putting-Green Bent Formula. 90 cts. per lb., \$4.25 for 5 lbs., \$20 for 25 lbs., \$75 per 100 lbs.

Fair-Green Seeds

Fair-Green Mixture. 55 cts. per lb., \$2.50 for 5 lbs., \$11.75 for 25 lbs., \$45 per 100 lbs.

Tees

Special Mixture for Tees. 60 cts. per lb., \$2.75 for 5 lbs., \$13 for 25 lbs., \$50 per 100 lbs.



Home Green, Knollwood Country Club.
Stumpp & Walter Seeds used.



No. 5 Green, New Course, Morris County Country Club. Stumpp & Walter Seeds used.

GENERAL LIST OF VARIETIES

Agrostis Varieties or Bents

Creeping Bent (<i>Agrostis species</i> ; <i>Fiorin</i> ; <i>Mixed Bents</i>)	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
Fine quality.....	16	\$2 50	\$22 50	\$200 00
Colonial Bent (<i>Agrostis tenuis</i>; <i>A. vulgaris</i>)				
Superfine quality.....	20	2 75	25 00	225 00
Fine quality.....	16	2 25	20 00	175 00
Red Top (<i>Agrostis palustris</i>; <i>A. alba</i>)				
Superfine quality.....	36	40	3 75	35 00
Fancy re-cleaned.....	32	35	3 25	30 00
Fine quality.....	18	25	2 25	20 00

Poa Varieties or Meadow Grasses

Canadian Blue Grass (<i>Poa compressa</i>)	18	45	3 75	35 00
Kentucky Blue Grass (<i>Poa pratensis</i>; <i>June Grass</i>)				
Superfine quality.....	27	70	6 00	50 00
Fine quality.....	21	50	4 00	35 00
Rough-stalked Meadow Grass (<i>Poa trivialis</i>)	26	1 35	12 50	110 00
Wood Meadow Grass (<i>Poa nemoralis</i>)	20	1 35	12 50	110 00

Festuca Varieties or Fescues

Hard Fescue (<i>Festuca duriuscula</i>)	20	80	7 50	70 00
Red Fescue, Chewing's N. Z. (<i>Festuca rubra</i>)		95	9 00	85 00
Sheep's Fescue (<i>Festuca ovina</i>)	16	85	8 00	75 00
Fine-leaved Sheep's Fescue (<i>Festuca ovina angustifolia</i>; <i>F. capillata</i>; <i>F. tenuifolia</i>)	22	1 35	12 50	110 00
Various-leaved Fescue (<i>Festuca heterophylla</i>)	15	1 00	9 50	90 00
Tall Fescue (<i>Festuca elatior</i>)	22	60	5 50	50 00
Meadow Fescue (<i>Festuca pratensis</i>)	27	45	4 00	35 00

Lolium Varieties or Rye Grasses

	Wt. per bus. lbs.	Lb.	10 lbs.	100 lbs.
English Rye Grass (<i>Lolium perenne</i>)	28	\$0 25	\$2 25	\$20 00
Pacey's Perennial Rye Grass (<i>Lolium perenne Pacey</i>)	30	30	2 50	22 00
Italian Rye Grass (<i>Lolium italicum</i>; <i>L. multiflorum</i>)	22	25	2 25	20 00

Sundry Varieties

Bermuda Grass (<i>Cynodon Dactylon</i>; <i>Capriola Dactylon</i>)	36	60	5 50	50 00
Crested Dog's-tail (<i>Cynosurus cristatus</i>)	30	70	6 75	65 00
Sweet Vernal (<i>Anthoxanthum odoratum</i>)	10	1 00	9 50	90 00
Meadow Foxtail (<i>Alopecurus pratensis</i>)	10	95	9 25	90 00
Tall Oat Grass (<i>Avena elatior</i>; <i>Arrhenatherum elatius</i>)	14	45	4 25	40 00
Orchard Grass (<i>Dactylis glomerata</i>; <i>Cocksfoot</i>)	14	45	4 00	35 00
Timothy (<i>Phleum pratense</i>; <i>Herd's Grass</i>)	45	20	1 75	15 00

Quantity of Mixed Seeds to Sow

For Golf. Average Putting-Green, 100 pounds; fairway, 250 pounds per acre.

For Lawns. Conditions generally less exacting and a smaller quantity ordinarily will suffice. Use 1 pound per 400 square feet (20 x 20 ft.) or 100 pounds per acre.

Use one-half above quantities for renovating existing turf.



A field of Leap's Prolific Wheat grown for us at the foothills of the Appalachian Mountains in the Shenandoah Valley. A hard red Wheat with hardly a fault

Selected Winter Seed Wheat

Prices subject to market changes. Delivery f. o. b. New York; bags extra at cost

BEARDLESS CHAFF WHITE
GRAIN HARD, LARGE, DARK

Leap's Prolific

STRAW LONG, STIFF RIPENS EARLY
SOW 1½ TO 2 BUSHELS PER ACRE

A variety of Wheat which originated in the Shenandoah Valley. Leap's Prolific need not be seeded as heavily as most other Wheats. It stools out strongly and roots deeply, each grain producing a great bunch of stalks. A large, dark red, hard Wheat which, while being a heavy yielder, is not weak in color or soft. The heads are large, the chaff of a beautiful white and without beards. The glumes are close together on the head and so well closed that the Wheat does not shatter badly in handling. The straw is of medium length, is thick walled, and holds up a crop of 40 bushels per acre finely. The new crop which has just been harvested under our own supervision, is of very high quality and averaged 35 bushels per acre. We can confidently recommend this as one of the best winter Wheats we know of. **Pk. \$1.50, ½bus. \$2.35, bus. \$4.50, 10-bus. lots, \$4 per bus.**

Jones' St. Louis Grand Prize (Beardless)

This variety has proven itself to be adapted to all soils, doing well on light, sandy, clay loam, or river-bottom lands, and is also almost as entirely fly-proof as a Wheat can be. A strong, vigorous grower, with dark, wide foliage. The straw is of medium length and very stocky; heads are square, compactly filled from base to tip, not extremely long, but the wide breasts running the length of the head encroach upon each other for room, and contain mostly four kernels each; color medium dark red, and of excellent milling quality. **Pk. \$1.50, ½bus. \$2.35, bus. \$4.50, 10-bus. lots, \$4 per bus.**

Jones' Red Wave (Beardless)

This grand Wheat has fully maintained the good opinion expressed when first sent out in 1906. It is a cross between early Red Clawson and an unnamed crossbreed of Russian parentage. It is a bald Wheat with brown chaff; dark, medium-long, large grain; heads very long and broad, filled with medium-long, large, hard, dark kernels, rich in gluten. Straw golden; above medium height, stocky, very strong, thick-walled and not liable to go down; heads slightly leaning, hence not liable to sprout in the field. **Pk. \$1.50, ½bus. \$2.35, bus. \$4.50, 10-bus. lots, \$4 per bus.**

GRAIN LARGE, HARD, LONG BERRY
TYPE, PLUMP, DARK RED

Lancaster Fulcaster

BEARDED. SOW 1¼ BUS.
PER ACRE

Lancaster Fulcaster is rightly one of the most popular bearded Wheats. It is a variety that under our care and supervision was improved by years of selection from the old "Fulcaster." It is one of the purest Wheats now being offered. "Lancaster Fulcaster" is a **reliable yielder year after year**. In years when all conditions are against successful crops this variety proves its reliability by making good average yields in spite of adverse conditions. **Pk. \$1.25, ½bus. \$2.25, bus. \$4.10, 10 bus., \$3.75 per bus.**



SEASONABLE FARM SEEDS

Prices f. o. b. Boat or Railroad, New York,
and are subject to market changes

MAMMOTH WHITE WINTER RYE

The heads average 6 to 8 inches in length and are filled from end to end with large, plump, heavy grains. The straw is giant in length and strength and of extraordinary stiffness, resisting severe wind- and rain-storms to a remarkable degree without lodging. **Bus. \$3, 10 bus. \$25.**

ROSEN RYE

One of the greatest achievements in the science of breeding and selecting varieties of grain. Introduced in 1912 to the farmers of the State by the Michigan Experiment Station. A great yielding variety. Rosen occupies about three-fourths of Michigan's 550,000 acres of Rye. Now growing and giving excellent success in a great many parts of the United States and Canada. Rosen has the "big head;" its "big head" is "full." **Pk. \$1.25, bus. \$4, 10 bus. \$37.50.**

Pedigreed Rosen Rye. Selected only from certified heads pointed out by the Michigan Crop Improvement Association, and for which they issue certificates. We have secured a limited stock. **Bus. \$6, 10 bus. \$55.**

RECLEANED ALFALFA

Now Is the Time to Sow

Sow 30 to 40 pounds per acre if broadcasted, or 25 to 30 pounds, if drilled in, in May, or during August and early September, or most any season when weather conditions are favorable; top-dress it with manure every fall, and it will rarely winter-kill. It can be cut usually three times in one season. The great secret in getting a successful stand of Alfalfa lies in the preparation of the ground; it will pay everyone who wants to grow this valuable farm-crop to give the ground preparation most intelligent thought. It must be borne in mind that an Alfalfa field properly started will yield successfully a score of years. Ask for our pamphlet on Alfalfa, mailed free. **Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$35.**

GRIMM ALFALFA

The Grimm Alfalfa is much hardier than the ordinary kinds obtained from Kansas, Utah and elsewhere, and there is even strong reason to believe that it is the hardiest known form of the cultivated plant. It not only endures extremely low temperatures with or without snow and other adverse conditions, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage

GRIMM ALFALFA, continued

than any other plant that has been compared with it until this time. There is some disagreement among investigators as to how Grimm Alfalfa obtained its hardness, but there is no difference of opinion that it is hardy. **Lb. 85 cts., 10 lbs. \$7, 100 lbs. \$65.**

CRIMSON CLOVER

(*Trifolium incarnatum*)

Splendid and Economical Cover-Crop for Using Green or Plowing Under

Used principally for soiling or green manuring, for which purposes it is largely used. If desired for feed, cut it just before it flowers; when desired for green manure or soiling, it should be left until mature before plowing under. Sow Crimson Clover in September and October or at the last working of such crops as corn, beans, melons, cucumbers, tomatoes, etc., at the rate of 20 pounds to the acre. **Lb. 25 cts., 10 lbs. \$2.25, 100 lbs. \$22.50.**

VARIOUS CLOVERS

Alsike, or Swedish (*Trifolium hybridum*). Hardest of all Clovers, and on rich, moist soil yields an enormous quantity of hay or pasture. Lasts many years. Sow 10 lbs. per acre when used alone. **Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$35.**

Red Clover, Medium (*Trifolium pratense*). Medium Clover. The leading variety of Clover for pastures or meadows. Finest quality. Sow 20 pounds per acre alone, or 15 pounds where other grass or hay crops are standing. **Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$35.**

White Dutch Clover (*Trifolium repens*). The best variety for lawns, as it forms a close herbage and remains green throughout the season. **Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.**

WINTER VETCH (*Vicia villosa*)

True Sand or Hairy Vetch

Extensively used as a soil renovator or for dry or green feed in the early spring. It may be sown alone or with winter rye or oats; is perfectly hardy, thriving in every climate, under most adverse conditions. Is very nutritious and live-stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; it requires one-half bushel to sow an acre, or one bushel if sown alone. Sow as early as possible in the fall or summer and get a good growth before cold weather sets in. 60 lbs. per bushel. **Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$25.**

All Farm Seeds listed on this page are furnished in seamless bags, for which a charge of 75 cts. for each two bushels is made

PRICES SUBJECT TO MARKET CHANGES

Flower Boxes, Baskets, Pots and Fiberware



Corrugated Flower Box

Flower Boxes

Cardboard, Flower. Green; lock corners.

No.	Length	Width	Depth	Doz.	100
No. 1.	18 in.	5 in.	3 in.	\$0 90	\$5 25
No. 2.	21 in.	7 in.	3½ in.	1 00	5 50
No. 3.	24 in.	8 in.	4 in.	1 40	9 75
No. 4.	28 in.	8 in.	5 in.	1 60	11 50
No. 5.	36 in.	8 in.	5 in.	2 25	15 50

Violet—

No. 5.	11 in.	5½ in.	8 in.	1 50	8 00
No. 10.	9 in.	3 in.	6 in.	1 25	6 50

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

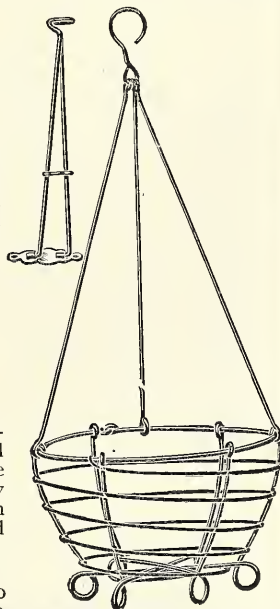
No.	Length	Width	Depth	Doz.	100
A.	20 in.	7 in.	4 in.	\$3 00	\$22 00
B.	28 in.	8 in.	5 in.	4 25	28 50
C.	30 in.	12 in.	6 in.	5 25	38 50
D.	36 in.	14 in.	8 in.	7 00	52 50
E.	48 in.	14 in.	8 in.	8 50	60 00
F.	36 in.	12 in.	6 in.	6 00	43 00

Wire Hanging Baskets

Steel wire, heavily galvanized. Line with moss and fill with house plants requiring little soil. They look very unique.

Diam.	Each	Doz.
8 in.	\$0 80	\$8 00
10 in.	90	9 00
12 in.	1 00	10 00
14 in.	1 10	11 00

Strong, neat, swivel
Brackets furnished with screws, 50 cts.

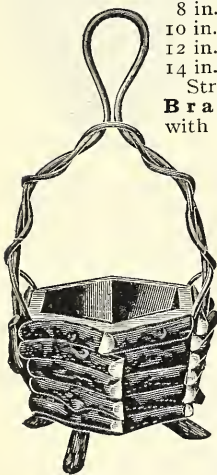


Wire Hanging Basket

Rustic Hanging Baskets

Bowl is hexagon-shaped, covered with laurel; fine finish. Are very attractive when filled with ferns and running plants.

Diam.	Each	Doz.
10 in.	\$2 25	\$24 00
12 in.	2 75	30 00
14 in.	3 00	32 00



Rustic Hanging Basket

Flower Vases. FIBERWARE, Waterproof

For displaying cut-flowers. Not easily broken, like earthenware; do not rust like metal vases. Order by number. Inside dimensions are given.

No.	Depth	Diam.	Each	Doz.
0.	13 in.	8 in.	\$1 75	\$18 60
1.	10½ in.	5½ in.	1 55	16 20
2.	9 in.	4½ in.	1 40	14 40
3.	6½ in.	4 in.	1 20	12 60
4.	5 in.	3 in.	95	10 20
00.	21 in.	9½ in.	5 00	56 00
01.	20 in.	7 in.	3 00	33 00
11.	18 in.	6 in.	2 00	22 00
22.	15 in.	4½ in.	1 80	20 00
33.	12 in.	4 in.	1 75	18 00
44.	9 in.	3 in.	1 35	14 00

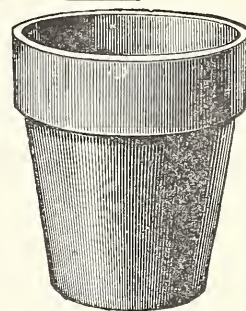


Flower Vase

Flower Pots, Standard

EARTHENWARE. Best on the market

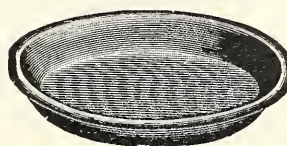
Diam.	Doz.	100	1,000
2 in.	\$0 40	\$1 55	\$13 50
2½ in.	50	2 25	16 50
3 in.	70	3 00	21 50
4 in.	1 00	5 00	34 00
5 in.	1 50	8 00	60 00
6 in.	2 00	12 00	90 00
7 in.	3 00	20 00	150 00
8 in.	4 50	30 00	220 00
9 in.	7 00	46 00	340 00
10 in.	9 00	60 00	450 00



Flower Pot

Saucers of same material, to fit Pots, furnished extra

Diam.	Doz.	100	Diam.	Doz.	100
4 in.	\$0 40	\$2 75	8 in.	\$1 30	\$9 00
5 in.	55	3 50	9 in.	1 90	12 50
6 in.	80	5 25	10 in.	2 50	15 00
7 in.	1 10	6 60	11 in.	3 00	18 50



Flower-Pot Saucers

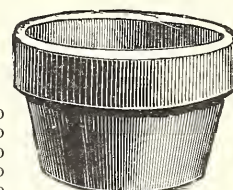
FIBERWARE, Waterproof

Light and not readily broken; have a surface that will not scratch, like earthenware. Order saucer 2 inches larger than the bottom diameter of pot.

No.	Diam. outside	Each	Doz.	No.	Diam. outside	Each	Doz.
5.	5 in.	\$0 36	\$3 60	12.	12 in.	\$0 63	\$6 30
6.	6 in.	39	3 90	14.	14 in.	84	8 40
8.	8 in.	42	4 20	16.	16 in.	1 50	15 00
9.	9 in.	49	4 90	18.	18 in.	1 75	17 40
10.	10 in.	53	5 30				

Bulb Pans. EARTHENWARE

Diam. at top	Depth	Doz.	100
8 in.	4¼ in.	\$3 25	\$21 50
9 in.	4¾ in.	5 00	34 00
10 in.	4½ in.	6 75	45 00
12 in.	4¾ in.	14 00	93 00
14 in.	5 in.	25 00	160 00
16 in.	7 in.	50 00	350 00

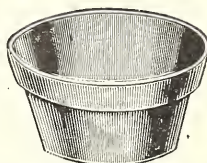


Bulb Pan

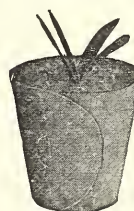
Azalea Pots

These pots differ from standard flower pots in that they resemble the bulb pans but are deeper. Excellent for growing bulbs for exhibition.

Diam.	Depth	Doz.	100
6 in.	4½ in.	\$1 50	\$9 00
7 in.	5¼ in.	2 50	15 00
8 in.	6 in.	3 25	21 50
9 in.	7 in.	5 00	33 00
10 in.	8 in.	6 50	44 00
12 in.	9 in.	12 50	90 00



Azalea Pot



Paper Pot

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100
2½ in.	\$0 15	\$0 65
3 in.	20	90
3½ in.	25	1 20
4 in.	30	1 50
5 in.	50	2 50
6 in.	60	3 00

Reed Mats

These mats are made from reeds and are used for covering hot-bed frames. Size 75 inches by 75 inches. \$2.50 each, \$27 per doz.

PRICES SUBJECT TO MARKET CHANGES

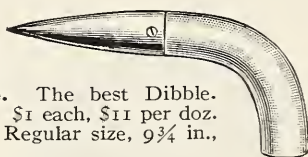
MISCELLANEOUS SUPPLIES

FOR COMPLETE LIST OF IMPLEMENTS AND SUPPLIES, SEE OUR SPRING CATALOGUE

- Aprons, Gardeners'.** English made. Each
 Fine shalloon, 39-in., with bib and pocket.....\$4 00
 Fine shalloon, 42-in., with bib and pocket..... 4 50
 Heavy serge, 39-in., with bib and pocket..... 3 75
 Heavy serge, 42-in., with bib and pocket..... 4 00
Bamboo Canes. See Plant Stakes, page 45.
Bamboo Rakes. Constructed of well-seasoned split bamboo held together by steel wire, and equipped with basswood handle bolted to rake. \$2 each.
Broom, Bamboo. Excellent for sweeping lawns, putting-greens, and walks. Made of bamboo. \$2 each, \$20 per doz.
Carnation Supports. Model Extension, 2-ring, \$1.10 per doz., \$7.50 per 100; 3-ring, \$1.35 per doz., \$8.50 per 100.
Carnation Bands, Rubber. To prevent splitting of calyx. 25 cts. per oz.
Clips, Eureka. For fastening rose and chrysanthemum wire stakes. \$1.50 per box of 500, \$2.75 per box of 1,000.
Corn Knife. For cutting cornstalks or heavy grass. 60 cts. each, \$6.50 per doz.

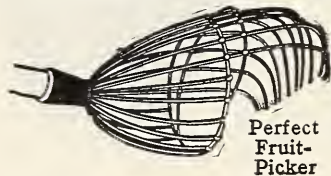
Dibbles, or Dibbers

- Just the tool for planting bulbs where ground is in good condition.
Brass Point and Wood Handle. The best Dibble. Polishes quickly; does not rust. \$1 each, \$11 per doz.
Steel Point and Wood Handle. Regular size, 9 3/4 in., 70 cts. each, \$7.50 per doz.
 Small size, 8 in., 65 cts. each, \$7 per doz.



Forks

- Hay.** Finest-quality steel; oval-shaped tines, solid-steel shank, patent ferrule, long and strapped. 2-tine, \$1.20 each; 3-tine, \$1.30 each; 4-tine, \$1.40 each.
Manure. Long or short handle. 4-tine, D handle, best material, \$1.85; 5-tine, D handle, best material, \$2; 6-tine, D handle, best material, \$2.25. Long-handle Manure Forks may be had at same prices.
Spading. 4-tine, D handle, best material, \$1.85; 5-tine, D handle, best material, \$2.40. Long-handle Spading Forks may be had at same prices.
Fruit-Picker, Perfect. Made of steel wire, heavily galvanized; can be attached to any pole. 60c.
Fumigators and Vaporizers. See page 47.
Gloves, Gardeners'. No. 131. All Leather, \$2.75 per pair. No. 186. Ladies', \$2.25 per pair.



Perfect Fruit-Picker

Garden and Greenhouse Barrows

- Regulation, No. 2, Boys'.** Holds 2 cubic feet of earth.\$5 75
Regulation, No. 4, Medium. Holds 4 cubic feet of earth... 7 00
Regulation, No. 5, Standard Size. Holds 5 cubic feet of earth 7 75
Wood Canal. Fully bolted; with wooden wheel..... 4 00
Wood Canal. Fully bolted; with steel wheel..... 4 50
Greenhouse. Built especially for narrow walks in greenhouse; also excellent for poultry-houses..... 9 00

Glazing Materials

- Permanite** is a glazing compound composed of asbestos fiber and special long-life, weather-resisting, non-drying oils, which always keep it in an elastic condition and never allow it to harden. Little needs to be said about the addition of asbestos as the advantage of using this material—its indestructibility and ability to resist heat and cold—are too well known. 1 gal. \$2.50, 5 gals. \$2.40 per gal., 15 gals. \$2.25 per gal., 35 gals. \$2.10 per gal., 60 gals. \$2.10 per gal.
Permanite Gun. This Gun makes application of Permanite easy. Further particulars on request. \$6.50 each.
Putty Bulb, Scollay. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. \$1.50 each, \$4.20 for 3, \$15 per doz.
Glazing Points, Van Reyper's. No rights or lefts. No. 2, Large, single-thick glass, or for double-thick, for greenhouses and skylights. Box of 1,000, 75 cts.; in lots of 5,000, 70 cts. per 1,000. Pincers or pliers for same, 50 cts.; postpaid, 65 cts.

GLAZING MATERIALS, continued

- Diamond Glass Cutter.** With guide-wheel. \$7.50.
Red Devil Glass Cutter. 25 cts., 35 cts. and 50 cts.
Putty Knife. No. 100. A very good tool. 50 cts. each.
Grafting Wax. 1/4lb. 20 cts., 1/2lb. 30 cts., lb. 55 cts.

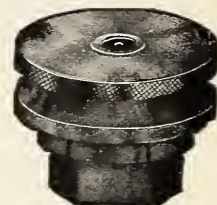
Hose, Rubber



- Electric.** Three-ply, non-kinkable, molded Hose. The strength and durability of this Hose places it with the very best grade of Hose manufactured.
 Standard lengths, 3/4-inch bore, 25 ft., \$6; 50 ft., \$11.50.
 Standard lengths, 1/2-inch bore, 25 ft., \$5.50; 50 ft., \$10.
 Other lengths, 3/4-inch bore, cut and coupled, 23 cts. per ft.
 Other lengths, 1/2-inch bore, cut and coupled, 20 cts. per ft.
S. & W.'s Special Brand (Wayahead). Surpasses all the cheaper grades of Hose. Its durability is not excelled by much of the higher-priced Hose. It is three-ply, seamless and non-kinkable. The satisfaction it gives is proved in the increased demand for it each season. Standard lengths, 3/4-inch bore, 25 ft., \$4.50; 50 ft., \$8.50. Other lengths, 3/4-inch bore, cut, 17 cts. per ft.
Rubber Spray Hose. High-pressure, 1/2-inch bore, 9-ply Hose is best. 30 cts. per foot. Low pressure, 1/2-inch bore, 7-ply, 20 cts. per foot. Couplings and clamps, 50 cts. extra.

Hose Nozzles

- Stott's.** A nozzle that has become a favorite among rose-growers, etc., for exterminating red spider. Splendid Nozzle for reaching under the foliage; gives a very fine, misty spray. Single, \$1.50; double, \$3.
Mistry Jr. Can be used for spraying white-wash. \$1.75 each.
Magic. Brass Hose Nozzle, 3/4-inch. Has a shut-off, a stream and a rose spray. With-out rose, \$1.20; with rose, \$1.50.
Justrite Spray. A very popular adjustable nozzle. It gives a copious spray or a well-defined full stream. Has a positive shut-off, by turning the barrel of the nozzle. 90 cts.
Bordeaux Spray Nozzle. A good nozzle for whitewash and all heavy spray materials. \$1.50.
HOSE COUPLINGS. Evanston. Cast brass with long tailpiece, heavy swivel, deep bowl and perfect thread. 3/4-inch, 50 cts.
Regular. 1/2-inch, 25 cts.; 3/4-inch, 30 cts.



Mistry Jr.

Hose Menders

- Cooper's Brass.** 1/2- and 3/4-inch, 12 cts. each, \$1.20 per doz.; 1-inch, 15 cts. each, \$1 70 per doz.
Perfect Clincher. 15 cts. each, \$1.50 per doz., 1/2-inch or 3/4-inch.



Cooper's Brass Hose Menders

- Hudson.** Practical, simple and perfect. Box of 6 tubes and 20 bands, with pliers, \$1. (Give size of hose when ordering.)



Abol Syringe

- The most economical and efficient of Hand Sprayers. Embodies all the good features that are desired. The new, improved nozzle has three caps—fine, medium, and coarse. The fluid is divided by two whirling streams which come into violent contact just before leaving the cap and scatter into tiny particles, which do not fall to the ground on being discharged, but hang in the air and envelop the tree or bush. A bend is furnished to spray the under foliage. \$10.50. Shipping weight, 4 lbs.

STUMPP & WALTER CO.'S GENERAL SUPPLIES

PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES, continued

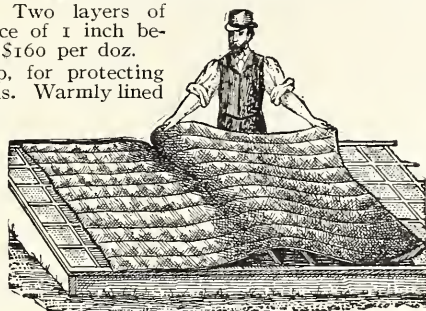
Hotbed Sash. Well made from clean cypress, glazed and painted two coats of white paint. \$8 each, \$90 per doz.

Double-Glass Sash. Two layers of glass with an air-space of 1 inch between. \$14.50 each, \$160 per doz.

Hotbed Mats. Burlap, for protecting coldframes and hotbeds. Warmly lined with waste wool and cotton, which are quilted in to hold position.

No. 1. 40 x 76 inches.
Burlap on both sides. \$2.25 each, \$24 per doz.

No. 1. 76 x 76 inches.
Burlap on both sides. \$3.25 each, \$36 per doz.



Hotbed Mat

Knives, Turf-Edging, Budding and Pruning

Solid Welded Steel Edging. Socket handle; made of the very best steel; imported English. 8-inch, \$2.50; 9-inch, \$3. Each

Half-Moon. Solid steel, with a polished handle. \$1 25

Planet Jr. Turf Edger. \$1 50

Pruning—
No. 1, cocoa handle, 1 blade. 1 50
No. 2, ebony handle, 1 blade. 3 00
No. 3, stag handle, 2 blades. 2 75
No. 4, cocoa handle, 1 blade. 2 50
No. 5, cocoa handle, 2 blades. 3 25

Budding—
No. A, ivory handle. 3 00
No. B, bone handle, S. & W. 2 00
No. C, ivory handle, S. & W. 2 25
No. D, ivory handle. 2 50
No. E, ivory handle, 2 blades. 2 75
No. F, bone handle, 1 blade. 1 25

Kunde. Ebony handle, 1 blade. 2 00

Kunde. Highly polished handle, 1 blade. 3 00

Pot or Garden Labels

	PAINTED	
	100	1,000
Wooden—		
4-inch.	\$0 40	\$2 00
4 1/2-inch.	50	2 50
5-inch.	75	2 70
6-inch.	80	3 25
8-inch.	1 50	9 00
10-inch.	2 00	11 50
12-inch.	2 25	15 00

Copper-Wired—
3 1/2-inch. 75 3 25

Zinc Garden. These are unsurpassed, being neat, durable, and indelible. The ink marks a jet-black, which remains distinct. Use a clean quill or pointed stick.

No.	Doz.	100	No.	Doz.	100
1. 4 3/4 x 3 1/2 in.	\$0 60	\$3 00	6. 2 1/4 x 2 in.	\$0 35	\$1 75
2. 4 x 2 3/4 in.	40	2 00	7. 2 3/4 x 3/8 in.	25	1 25
3. 4 x 3 in.	50	2 50	13. 2 3/4 x 1 1/4 in.	30	1 50
4. 5 x 1 in.	40	2 00	14. 1 1/2 x 1 1/4 in.	30	1 50
5. 3 1/2 x 2 1/2 in.	50	2 50	15. 4 1/4 x 4 3/4 in.	35	1 75

Permanent Label Holder. This Label Holder is furnished with an index card covered with mica, making it water-proof. 30 cts. each, \$3 per doz., \$22.50 per 100.

Label Pencils. Permanent writing on wooden labels. 15 cts. each, \$1.50 per doz. X-L-All Indelible. 25 cts. each, \$2.50 per doz.

Label Indelible Ink. For zinc labels. 40 cts. per bottle.

Netting. Bird netting to protect all small fruits and vegetables. A good quality of cotton netting, 1-inch mesh, only in 20- and 30-ft. widths and of any reasonable length. \$1.60 per 100 square feet.

Paper—
Wax. 24 x 36. Ream. \$4 00 | Manila. 24 x 36. Ream. \$4 00
18 x 24. Ream. 3 00 | Wrapping. 40 x 48. Lb. 14
Tissue. 24 x 36. Ream. 2 00

Plant Sprinkler, Scollay. Made of best rubber. Straight neck, \$1.50; Angle-neck, \$1.60.

S. & W. Co.'s Plant Sprinkler. Best rubber, straight neck. 8 oz. 90 cts. each.

Post-Hole Auger. In soil free from large stones and roots, this tool works with great satisfaction. It is used as an ordinary auger-bit. 6-in. diameter, \$2; 8-in. diameter, \$2.25.

Post Hole Digger. Ease of operation and superior and rapid work are features of this new Digger; more than two hundred holes a day can be dug with it. **Samson**, 56 inches, \$3.50. **Rapid**, 59 inches, ash handle, \$3.

Raffia, Natural. For tying plants. Lb. 50 cts., 5 lbs. \$2.

Colored. All colors. For basket-making. Lb. \$1.50.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.50 per doz.

Scissors, Grape-Thinning. \$1.50; **Flower-Gathering**, \$2.50.

Shears, Pruning, S. & W. Co.'s Solid Steel. Made for long service; easily adjusted. 8 in. \$2.25, 9 in. \$2.50, 10 in. \$2.75.

Pruning, California. \$1.

Pruning, French. 8 in. \$2, 9 in. \$2.50.

Kunde. Solid steel. It is very durable. \$4.

Pruning, Wiss. A very satisfactory Shear, tempered to cut continuously without dulling; has detachable blade. 9 in. \$3.50; 10 in. \$4.

Pruning, Lady's Nickel-plated. 6 in. \$1.50.

Grass. Full nickel, solid steel. 6-in. blade \$1.25.

Grass, Imported English. Best procurable. 6 1/2 in., bent, \$1.50.

Border and Grass Edging. 9-in. blades, \$5; with wheel, \$5.50.

Lawn. 9-in. blades, with two wheels. \$6.

Hedge. Imported English, plain blade. 8 in. \$2.75, 9 in. \$3, 10 in. \$3.75; 8 in. notched, \$3, 9 in. notched, \$3.25, 10 in. notched, \$4.

Screens. Handy for ashes, coal, sands, gravel, etc. Extra-heavy wire; spruce frames. Small size, 25 x 62 inches, \$9; larger size 28 x 66 inches, \$11. State whether 1/4, 1/2, 3/4 or 1-inch mesh is desired.

Silkline. See Twines.

Shovels, Ames' Long and D Handles. Long-strapped, round or square, \$2.25.

S. & W. Co.'s Pointed and Square. \$1.75.

Spades, Ames' Long and D Handles. \$2.25.

S. & W. Co.'s Special Long and D Handles. \$1.75.

English Turfing. For cutting and lifting sod. \$6.50.

American Turfing. \$2.

Plant Stakes and Supports

Plant, Tapering, Green—				
	Doz.	100		100
1 1/2 feet.	\$0 35	\$2 25	3 feet.	\$1 10 \$7 25
2 feet.	60	4 00	3 1/2 feet.	1 50 9 20
2 1/2 feet.	80	5 20	4 feet.	1 60 11 00
			5 feet.	2 10 14 50

Carnation Supports. See page 44.

Chinese Tonkin Cane.				These are Chinese canes, very strong and heavy.			
	100	1,000			100	1,000	
2 ft. heavy.....	\$1 50	\$10 00		7 ft. heavy.....	\$6 50	\$60 00	
4 ft. heavy.....	3 00	25 00		8 ft. heavy.....	7 50	70 00	
5 ft. heavy.....	4 50	40 00		10 ft. heavy.....	8 50	80 00	
6 ft. heavy.....	5 50	50 00					

Japanese Cane. For staking plants and trees.

	100	1,000		100	1,000
6 feet.	\$2 00	\$17 50	14 feet.	22 00	200 00
8 feet.	4 50	40 00	16 feet.	35 00	300 00
10 feet.	5 50	50 00	18 feet.	40 00	350 00
12 feet.	18 00	160 00	20 feet.	50 00	450 00

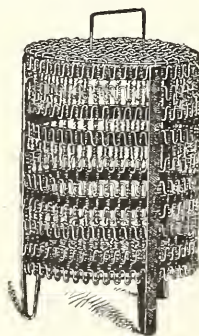
Dahlia Poles—		Doz.	100		Doz.	100
3 feet.....	\$1	80	\$11	50	5 feet.....	\$2 75 \$19 50
3 ½ feet.....	2	00	13	50	6 feet.....	3 50 24 50
4 feet.....	2	25	15	50		

Galvanized Wire—		100	1,000		100	1,000
3 feet.....	\$2 00	\$17 50	4 ½ feet.....	\$3 25	\$27 50	
3 ½ feet.....	2 50	20 00	5 feet.....	3 50	30 00	
4 feet.....	2 75	22 50	6 feet.....	4 00	35 00	

Burners for Leaves, Paper, and Rubbish

The best receptacle used for burning leaves, papers, and all kinds of rubbish. This handy Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of heavy galvanized steel wire, reinforced with iron supports. Made to give lifelong satisfaction. We supply this Burner in three sizes.

No.	Diam.	Height	Weight	Each
2.	15 in.	24 in.	16 lbs.	\$4 00
2 1/2.	18 in.	30 in.	22 lbs.	6 00
3.	20 in.	35 in.	33 lbs.	7 50



PRICES SUBJECT TO MARKET CHANGES

MISCELLANEOUS SUPPLIES, continued

Plant Tubs

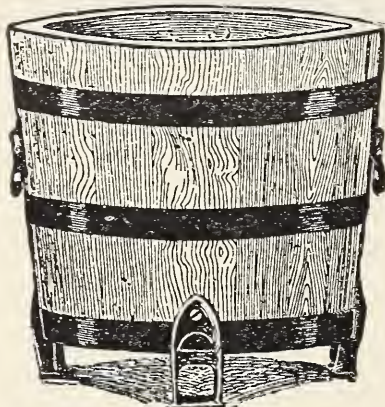
Plant Tubs, New York Cedar. Made of the very choicest seasoned cedar, highly finished with black hoops; will last twice as long as cypress tubs.

No.	Inside measurement Diam.	Height	Price
1	12 in.	10½ in.	\$2 50
2	13 in.	13 in.	3 50

No.	Inside measurement Diam.	Height	Price
3	14½ in.	15 in.	\$4 25
3½	16½ in.	15¾ in.	5 50
4	19½ in.	17 in.	6 00
5	22½ in.	18½ in.	7 50

Barclay Tree Tubs. Made of seasoned, selected Virginia White Cedar; bound with electric welded wire hoops (galvanized), three hoops to each, except the two smallest tubs which have two.

No.	Inside top diam. inches	Inside depth inches	Price each
1	6	6	\$0 65
2	7	7	75
3	8	8	80
4	9	9	90
5	10	9	1 10
6	11	10	1 30
7	12	11	1 60
8	13	12	2 00
9	14	13	2 30
10	15	14	2 60



New York Cedar Tub

Rolling Stands

Heavy Fiberware, Waterproof. Stand consists of two pieces of steel, securely riveted to four casters. Will support heavy tubs, pots, etc. Can be readily rolled about without injuring the floor. No dampness under the stand. When ordering, give the outside diameter of bottom of tub.



Outside diam.	Takes tubs of bottom diam.	Each	Doz.
12 in.	10 in.	\$1 10	\$10 80
14 in.	11 in.	1 35	14 00
18 in.	15 in.	2 50	24 00
22 in.	20 in.	3 00	30 00

Twines

S. & W. Co.'s Smilax Thread. This Thread is very strong, green in color and warranted not to fade. Best Thread on the market. 25 cts. per spool, \$1.50 per lb., \$4 per box of 3 lbs.

Silkline. Very largely used for tying. Three sizes, F, FF, and FFF. 50 cts. per spool, \$3.75 per box of 8 spools.

Bouquet Twine. White, in 3-oz. balls. 75c. per lb., \$3.50 for 5 lbs.

Sea Island Cotton. Green, 2-oz. balls, 15 cts. per ball, \$1 per lb.

Twine, Soft. For tying vines, etc.; very strong. 2- and 3-ply. Large balls, 20 cts., 2 balls for 35 cts.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball, 40 cts., 5 balls \$1.75.

Tarred Marline. Of better quality than the above; twisted in strands. Balls, 1 lb. 40 cts., 5 balls \$1.75.

Watering Pots, Haw's Pattern—

No. 0.	2 qts.; shelf; 9-in. spout, one pot rose and extra joint.	\$4 50
No. 1.	3 qts.; shelf; 9-in. spout, one pot rose and extra joint.	5 50
No. 2.	4 qts.; japanned; 2 roses.	6 00
No. 3.	6 qts.; japanned; 2 roses.	7 00
No. 4.	8 qts.; japanned; 2 roses.	8 00
No. 5.	10 qts.; japanned; 1 rose and spreader.	9 00

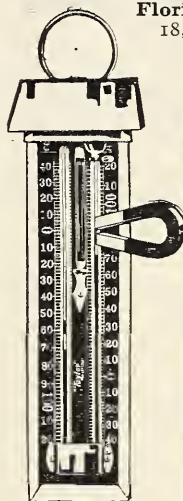
Plain. Heavy galvanized; round and oval; each pot has two roses—one fine and one coarse.

6-quart, round.	\$4 75	6-quart, oval.	\$5 50
8-quart, round.	5 00	8-quart, oval.	6 00
10-quart, round.	5 50	10-quart, oval.	6 25
12-quart, round.	6 00	12-quart, oval.	7 00

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$4 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. No. 22, \$3; No. 24, \$3.75.

Florists' Wire, Tinned. Furnished on spools. Nos. 18, 20, 22, 26. 25 cts. per spool.



5452P



5400



5120



5154



5420



5981

No. 5452P, Self-Registering. (Siex's Pattern.) Copper case, black brass scale, white figures. **Maximum and Minimum.** 8-inch, \$5.50; 10-inch, \$6.50. Magnet with each.

No. 5400. Black japanned heavy tin case; brass scale, white figures. (Mercury.) Scale range, 20 to 60 degrees below zero to 120 above. **Standard Grade.** 8-inch, \$1.40; 10-inch, \$1.60.

No. 5420. Black japanned heavy tin case. For greenhouses. Black oxidized brass scale, white figures. (Spirit.) 8-inch, 90c.; 10-inch, \$1.

No. 5154. Copper case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 20 to 60 degrees below zero. 8-inch 70 cts.; 10-inch, \$1.

No. 5120. Distance reading. Wood-back Mission finish, brass scale, white figures and graduation. (Spirit.) Easy to read at distance. 8-inch, \$1.25; 10-inch, \$1.50.

No. 5981. Hotbed. Wood frame, 15 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, \$2.25.

ILLINOIS SELF-WATERING WINDOW BOXES

Remarkable for the small amount of attention required to secure the finest growth in all kinds of plants. The reservoir in bottom provides the water as needed; it is only necessary to examine the surface of the soil occasionally and, if dry, to refill the reservoir. A liberal supply of air to the roots is constantly maintained through the sponges, the soil will always be found mealy and loose, and the moisture is always evenly distributed from top to bottom of soil. Do not refill reservoir unless the condition of the soil shows that watering is needed.

No.	Height in.	Width in.	Length in.	Capacity qts.	Price
1	8	9½	23	2½	\$3 25
2	8	9½	25	3	3 50
3	8	9½	27	3½	4 00
4	8	9½	29	4	4 25
5	8	9½	31	4½	4 50

No.	Height in.	Width in.	Length in.	Capacity qts.	Price
6	8	9½	33	5	\$4 75
7	8	9½	35	5½	5 00
8	8	9½	37	6	5 25
9	8	9½	39	6½	5 50
10	8	9½	41	7	5 75

FOR BULBS. Our Self-watering Baskets and Boxes are, without question, the most satisfactory device for growing bulbs ever devised. A beautiful and certain growth, with a minimum of care.

FOR FERNS. Nearly every home-lover is a lover of ferns, but few succeed with them. They never fail in Illinois Self-Watering Flower Boxes or Hanging Baskets.



Self-Watering Window Box

REMEDIES FOR INSECTS AND FUNGUS

NOTE.—Insecticides marked* can be sent by Parcel Post at purchaser's expense. Consult your local post-office for rate from New York

ALL PRICES SUBJECT TO MARKET CHANGES

This list contains most of the remedies used in the fall of the year. For a more extensive list see our Spring Catalogue, pages 141 and 142.

Aphine. Effective against all soft-bodied and plant-sucking insects, such as green, black and white fly, red spider, thrip, mealy bug, brown and white scale. Used as a spray when diluted with water in the proportions as directed on each can. Endorsed by professional gardeners and commercial growers of reputation. An insecticide which can be used indoors and in the garden. An excellent cleanser for house plants. Gal. \$3.75, qt. \$1.25, pt. 75c., ½ pt. 50c., ¼ pt. 30c.

Arsenate of Lead, Powdered. Better than Paris Green. Does not burn foliage. Has all advantages of Arsenate of Lead Paste, but goes twice as far, and is easier to handle. Dilute 1 pound to 50 gallons of water. ½ lb. 35 cts., lb. 65 cts., 5 lbs. \$3, 10 lbs. \$5, 25 lbs. \$12, 50 lbs. \$22, 100 lbs. \$41.

Black Leaf 40. A concentrated solution of nicotine sulphate; an excellent spray for black aphides and sucking insects of all kinds. Dilutes one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1-oz. bottle 35 cts., ¼-lb. tin \$1.25, 2 lbs. \$3.50, 10 lbs. \$13.50.

Borowax. The fruit-grower's friend. A complete protection against borers if properly applied to peach, plum, apple, pear, and quince trees. Qt. 50c., gal. can \$1.75, 6 gals. \$9, ½ bbl. \$31.25, bbl. \$50.

B. T. S. A definite chemical compound of sulphur with barium in which all of the sulphur and all of the barium are available as active ingredients. B. T. S. may be substituted for lime-sulphur solution in all spraying operations. This means that it can be used in both dormant and growing period applications in the place of the solution. Lb. 45 cts., 5 lbs. \$1.75, 10 lbs. \$3.25, 25 lbs. \$7.

Climax Lawn Sand. A unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns. 14-lb. can \$2, 28-lb. pkg. \$3.75, 56-lb. pkg. \$7.25, 140 lbs. \$14.

Copper Solution Ammoniated. A fungicide the same as bordeaux mixture, the essential ingredient, carbonate of copper, being dissolved in ammonia in this, while in bordeaux it is counteracted by lime. Bordeaux is the cheaper and more popular for all ordinary purposes, but for late sprayings, when fruits are nearing maturity, or plants in bloom, copper solutions are usually used. Qt. \$1.25, gal. \$4.

Fish-Oil Soap. It is good for washing off lemon trees, oleanders and almost anything that would be infested with a soft-shelled or in fact almost any kind of insect. Dissolves in water according to various purposes. Lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2, 25 lbs. \$4, 100 lbs. \$15.

Fungine. An infallible remedy for mildew, rust, wilt, bench-rot, and other blights affecting flowers, fruits, and vegetables. Highly indorsed by leading growers. It is equally effective under glass and out-of-doors. A spraying material which is diluted with water, and does not stain foliage. Gal. \$3.75, qt. \$1.25, pt. 75c., ½ pt. 50c.

***Grape Dust.** For mold, mildew, or rust-mites, either in the green-houses or the open air. 5 lbs. 85 cts., 10 lbs. \$1.60, 25 lbs. \$3.75.

Hellebore, Powdered. Good for exterminating currant worms. ½ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

Kerosene Emulsion. For plant lice and other soft-bodied insects, especially woolly aphids; also for rose bugs, cabbage worms, scale, and melon louse. Contains 55 per cent kerosene. Dilute 1 part of Emulsion to 10 parts of water; for tender plants, 1 part to 25 to 50 parts of water. Qt. 60 cts., gal. \$1.50, 5 gals. \$6.25.

Kerosene Miscible Oil. Better than Kerosene Emulsion, mixes easier, has greater killing power, and is especially valuable against all soft-bodied insects. Can be used on practically all insects for which nicotine is employed. For woolly aphids on apple and thorn it is much more effective than nicotine. Contains 80 per cent kerosene. Dilute 1 part of Oil to 16 parts of water. Tender plants 1 part to 36 parts of water. Pt. 40 cts., qt. 70 cts., gal. \$1.75, 5 gals. \$7, 50 gals. \$50.

Lemon Oil. Odorless and poisonless; one to thirty to fifty parts of water. Destroys mealy bug, scale, thrip, red spider, black and green fly, caterpillar, etc. ½ pt. 40 cts., pt. 60 cts., qt. \$1, ½ gal. \$1.75, gal. \$3.

Lime-Sulphur, Bowker's Concentrated. One gallon makes ten gallons of spray; dilute with cold water. Bowker's Lime Sulphur is manufactured under the direct personal supervision of skilled graduate chemists who have devoted years to manufacturing spraying materials, with the one dominant idea that any spray to be worth branding "Bowker's" must be absolutely the best of its kind. Bowker's is "Lime-Sulphur with the guesswork left out."

We sell and recommend Bowker's Lime-Sulphur because we have full confidence in it, and it has given our customers excellent satisfaction. Qt. 50 cts., 1-gal. can \$1, 5-gal. can \$3.25. In half barrels (about 25 gals.) \$8.25, barrels 50 gals. \$14.

Nico-Fume Liquid. This is a nicotine preparation, and is used by many of the leading growers. ¼-lb. can 85 cts., 1-lb. can \$2.65, 4-lb. can (½ gal.) \$9.50, 8 lbs. (1 gal.) \$18.50.

***Nico-Fume Paper.** This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. It is also used for tying near blooms of chrysanthemums in early fall to keep down insects. Preferred by many who do not wish to spray or vaporize. Box of 24 sheets \$1.60, box of 144 sheets \$7, box of 288 sheets \$13.

Paradichlorobenzene. For Peach Tree Borer. It generates a gas that will kill borer in peach trees. Full instructions furnished on label. Can be applied from September 1 to October 10. Lb. can, 75 cts.

Scalecide. Soluble crude oil. Used for the destruction of the San José scale. Dilute at the rate of one gallon to twenty gallons of water. Scalecide does not clog nozzles, hose, or pump, and is pleasant to use. This preparation is perhaps the best known and is very widely advertised. Orchardists throughout the country use it in large quantities. Trees may be sprayed in winter and early spring before they start to come to bud. Qt. 75 cts., gal. \$2, 5 gals. \$6.25, 10 gals. \$10.60, 30-gal. bbl. \$26, 50-gal. bbl. \$38.

***Slug-Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable- or flower-garden. 5 lbs. 75c., 10 lbs. \$1.20, 100 lbs. \$10.

Styptic, for preventing bleeding of vines after pruning. Bottle, \$2.

***Sulphur.** Used principally in greenhouses for checking mildew (see below for Campbell's Sulphur Vaporizers). Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.60, 25 lbs. \$3, 100 lbs. \$9.

Sulpho-Tobacco Soap. For plants, trees, cattle, poultry, etc. 3-oz. pkg. 20 cts., 8-oz. pkg. 30 cts.

***Tobacco Dust (Kilmdead).** The best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

Tobacco Stems. Used for fumigating and under benches in green-houses. Bale, about 100 lbs., \$4.

Tree Wound Paint. Prevents decay. A residuum, penetrating, antiseptic paint that is not affected by heat, cold or moisture. Does not peel, crack or get brittle. Stops tree bleeding. Qt. \$1, gal. \$2.50, 5 gals. \$11, 50 gals. \$90.

Vermine. A soil sterilizer and germicide for all soil vermin, such as cut, eel, wire, and grub-worms, slugs, root-lice, maggots and ants. Use one part of Vermine to 400 parts of water, thoroughly soaking the ground. It does its work effectively without injury to vegetation, and protects your crops and lawns against the ravages under the soil. ¼ pt. 30 cts., ½ pt. 50 cts., pt. 75 cts., qt. \$1.25, gal. \$3.75, 5-gal. keg \$17.50.

X-L-ALL LIQUID INSECTICIDE. Destroys mealy bug, scale, thrip, red spider, green and black fly, caterpillars, blight and all insect pests in the garden; it is perfectly safe to use on tender plants. For the winter dressing of vines, figs, peaches, and other fruit trees, it has been proved to be the safest and most valuable preparation in the market. Leaves the foliage bright and clean, and much improved in appearance. Qt. \$2, ½ gal. \$3.75, gal. \$7.

X-L-ALL Vaporizing Compound. Used very extensively abroad for vaporizing. No. 1 (sufficient for 40,000 cubic feet), \$8; No. 2 (sufficient for 20,000 cubic feet), \$5; No. 3 (sufficient for 10,000 cubic feet) \$2.50.

Fumigators and Vaporizers

Fumigator, "Eureka." For fumigating with tobacco stems
No. 1, holds ½ peck stems.....\$3 00
No. 2, holds 1 peck stems.....4 00
No. 3, holds ½ bushel stems.....5 25

Vaporizing Lamp, Defiance.

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nico-Fume and other preparations of this sort. 75 cts. each.

Vaporizer, Campbell's Patent Sulphur.

Designed to vaporize sulphur in green-houses without danger. Most useful for killing mildew and other fungous diseases.
No. 1, for houses up to 5,000 cubic feet of space.....\$7 00
No. 2, for houses up to 10,000 cubic feet of space.....9 00

Glass Balls for above. Box of 6, 25 cts.

Yellow Powder. Tin, 30 cts.

Hollow or Solid Wicks, for either size, 25 cts.

X-L-ALL Vaporizing Lamp. A lamp specially designed for vaporizing of X-L-All Compound. Small size, \$1; larger size, \$1.25.



Defiance



Sulphur Vaporizer

FERTILIZERS

Our list contains the very best and most modern kinds. We can quote special prices on carload quantities

ALL PRICES SUBJECT TO MARKET CHANGES

ASHES, CANADA HARDWOOD. Quantity required: Apply one to two tons to the acre, as one heavy application will help much more than the same quantity would applied in fractions. Apply in early spring or late fall. Barrels, about 200 lbs., \$5, ton, in barrels, \$40, by car, \$30 per ton.

BLOOD (Dried). Excellent for indoor culture of flowering plants, such as carnations, roses, etc. Its chief element is nitrogen. 10 lbs. \$1, 50 lbs. \$3.25, 100 lbs. \$6.

BON ARBOR. A concentrated chemical fertilizer to be used in liquid or powder form according to the directions on the package. Dilute 1 pound with 30 gals. of water. ½ lb. pkg. 50 cts., 1-lb. pkg. 75 cts., 5 lbs. \$2.50, 50 lbs. \$18. In lots of 100 lbs. or over at \$33 per 100 lbs.

NO. 2 BONE DUST FOR GENERAL USE. A bone dust about pinhead size, with a fair percentage of bone flour. Excellent for top-dressing lawns as well as good for mixing with soil. Sold largely to carnation- and rose-growers for top-dressing and for mixing with soil. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5.50, ton \$75.

S. & W. CO.'S CHARCOAL. For mixing with soil for pot-plants and vines. No. 1, powdered; No. 2, Medium; No. 3, Lumps, 3 to 4 inches. Any size, per bag of 50 lbs., \$2.75, 100 lbs. \$5, 1,000 lbs. \$40, 2,000 lbs. \$75.

CLAY'S FERTILIZER. A celebrated English chemical fertilizer used for forcing greenhouse plants and vegetables. 14-lb. bag \$2.25, 28-lb. bag \$4, 56-lb. bag \$7.50, 112-lb. bag \$14.

COW or CATTLE MANURE, Shredded. One sack of this is equal to one cartload of fresh cow manure; is convenient to handle, making it possible for everyone to get this usually scarce article at all times. In 100-lb. sacks only, 100 lbs. \$4.50, 500 lbs. \$15, 1,000 lbs. \$28, ton \$55.

EMERALD LAWN DRESSING. A clean, portable and convenient lawn dressing, which we have found to be never-failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall. It is in every way more desirable than manure. The use of Emerald Lawn Dressing entirely does away with the old practice of top-dressing lawns with stable manure. Quantity required: A 10-lb. package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. to the acre, or a smaller quantity for renovating an old one. It is best to apply during dull weather and if applied during warm weather, soak down with a hose after applying. 5 lbs. 45 cts., 10 lbs. 80 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5.50, 500 lbs. \$22.50, 2,000 lbs. (ton) \$70.

LIME, Agricultural, Hydrated. This Lime is specially prepared for use on the soil, and is a combination of calcium-hydrate and calcium-carbonate, finely pulverized. Quantity required: Heavy soils, 2,000 to 6,000 lbs. to the acre; light, sandy soils, 1,000 to 3,000 lbs. to the acre, according to their apparent need. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 100-lb. bag \$2, 500 lbs. \$8.75, ton \$28. In lots of three tons or over, \$24 per ton; carload lots, \$20 per ton, f. o. b., New York.

LIMESTONE, PULVERIZED. This product is having a large sale among the most intelligent agriculturists, with the best results. It is made from the purest crystalline, white limestone obtainable,

Limestone, Pulverized, continued

and has many advantages over burnt or caustic lime. Not being caustic, it does not burn the humus in the soil, and may be applied at any time of the year without danger. It is good for all crops, is especially recommended for the successful growing of alfalfa, and, owing to its extreme fineness, admits of very even distribution. Apply 2 tons to the acre. Put up in 100-lb. bags, \$2, 500 lbs. \$7, 1,000 lbs. \$13.50, ton \$25. In carload lots, in bags, write us for price f. o. b. your station.

NITRATE OF SODA. Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. to the acre being required. 1-lb. tin 25 cts., 5-lb. pkg. 60 cts., 10-lb. pkg. \$1, 25-lb. bag \$1.75, 50-lb. bag \$3, 100 lbs. \$5.50.

OYAMA is fine for all kinds of plants, ferns, roses, bulbs, shrubs, flowers, lawns, berries, fruit, etc., and you can raise delicious, large, crisp vegetables earlier than your neighbors. House-Plant Size (makes 6 gals.) 35 cts., Garden Size (makes 32 gals.) \$1.25.

PHOSPHATE, High-Grade Acid, or Rock. Apply 1,000 lbs. to the acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 100-lb. sacks, \$3, ton \$40.

SALT. For agricultural purposes, asparagus beds, and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. to the acre in early spring. 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.50, 100 lbs. \$2.25, 200 lbs. \$4, ton \$35.

SCOTCH SOOT. Genuine imported. For stimulating a healthy growth of dark green foliage, and it will free the soil of slugs, grubs, and cut-worms. 10 lbs. \$1, 50 lbs. \$3.75, 112 lbs. \$7.

SHEEP MANURE, PURE PULVERIZED. A pure, natural, nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable-garden it promotes a rapid, steady growth until maturity. It makes a rich liquid manure. Quantity required: For garden and field crops, one to two tons to the acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use one ton to the acre, applied in fall or early spring. 100-lb. bag \$5, 500 lbs. \$18, ton \$65. In packages of 5 lbs. 50 cts., 10 lbs. 90 cts.

SULPHATE OF AMMONIA. The most concentrated nitrogenous top-dressing on the market. Contains ammonia in a form quickly available but not readily leached from the soil. It is fine and dry, and easily spread by hand. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 50 lbs. \$4.25, 100 lbs. \$7.50.

TANKAGE. The mixture of blood and bone can be used for general garden crops, trees or in the greenhouses. For outside use one-half to one ton per acre. 10 lbs., 80 cts.; 25 lbs., \$1.75; 50 lbs., \$3; 100 lbs., \$5.50.

THOMSON'S CHRYSANTHEMUM MANURE. A highly concentrated English chemical fertilizer used by the leading private gardeners in America and abroad. May be used in liquid or dry form. 7-lb. bag \$1.75, 14-lb. bag \$3, 28-lb. bag \$5.50, 56-lb. bag \$10.

THOMSON'S SPECIAL FLOWER, VEGETABLE, and VINE MANURE. This excellent chemical fertilizer is used extensively for forcing flowers, fruits and vegetables. 28-lb. bag \$3, 56-lb. bag \$5.50, 112-lb. bag \$10.

BULB FIBER, PEAT, MOSS, AND WORM ERADICATOR

Bulb Fibre. Imported. Excellent material for growing bulbs without drainage. 2 lbs. 25 cts., 5 lbs. 50 cts., 25 lbs. \$2.25, 100 lbs. \$8.50.

Leaf-Mold. Used for preparing rhododendron beds. Bbl. \$3.

Moss, Live Green Sphagnum. Freshly gathered in season. Bbl. \$5.

Moss, Dry Sphagnum. Large bale, \$4.

Moss, Sheet, Natural Green. For covering the pots or tubs of large plants; sheets range in size about 1 foot wide and from 2 to 5 feet long. Bag (10 lbs.) \$5.

Peat (Osmundi). For orchids. Bbl. \$4.50.

Peat, Rotted, Fibrous. An excellent material for mixing with potting soil for many plants. This peat has been dug from an old bog and exposed for a number of years until it has become thoroughly decayed. Bag \$3.

Vermol Worm Eradicator. For fine lawns, putting-greens and tennis courts. Vermol is an ideal worm-killer, being non-poisonous, safe to handle, harmless to bird and animal life, and beneficial to the grass as it has a mild fertilizing action. The best time to apply is during May and September. Use ½ to ¾ lb. per square yard. Directions with each bag. \$125 per ton, \$65 per ½ ton, \$35 per ¼ ton, \$8 per 100 lbs., \$4.50 for 50 lbs., \$2.75 for 25 lbs., \$1.50 for 10 lbs.

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Special Window-Garden Collection of Hyacinths

We have selected six of the best varieties listed on page 16 which are especially adapted for window-garden culture: Pink, Gigantea; Red, Garibaldi; White, L'Innocence; Light Blue, Grand Maitre; Dark Blue, King of the Blues; Yellow, Yellow Hammer.

6 bulbs, one of each variety	\$1 50
18 bulbs, three of each variety	4 00
36 bulbs, six of each variety	7 50

Hyacinth Glasses

Hyacinths can be easily and successfully grown in water, giving good spikes of bloom. Single varieties are generally used. *Cannot be sent by mail.*

Belgian or Tye Shapes. In 5 shades—Crystal, Blue, Green, Amber and Amethyst. Belgian shape, 45 cts. each, \$4.50 per doz. Tye shape, 45 cts. each, \$4.50 per doz.



Belgian



Tye

DAFFODILS FOR NATURALIZING

We have illustrated on this page 8 distinct types of popular Daffodils with a view of encouraging our patrons to plant them in clumps of 10 to 25 of a variety along their flower or shrubbery borders. They are excellent for planting along woodland pathways as well as banks of lakes and streams. They are hardy and will become permanent, yielding flowers in increasing abundance every year.

COLLECTION

10 Bulbs each of 8 varieties listed, 80 Bulbs, \$5.00
25 Bulbs each of 8 varieties listed, 200 Bulbs, 12.00
100 Bulbs each of 8 varieties listed, 800 Bulbs, 40.00

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